

**MASTER OF ARTS
(SANSKRIT)**

**COURSES FOR TWO-YEAR PG (SANSKRIT) PROGRAMME BASED
ON NEP-2020**



**DEPARTMENT OF SANSKRIT
FACULTY OF ARTS
UNIVERSITY OF DELHI
DELHI-110007**

**W.E.F FROM JULY 2026 AS PER PGCF
BASED ON NEP-2020**

Courses for Two-Year PG (Sanskrit) Programme based on NEP-2020

2nd Year (Semesters 3 & 4) of PG curricular structure for 2-year PG Programmes

Structure 1 (Level 6,5): PG Curricular Structure with Only Coursework

Total: 88 Credits

Semester-III

Credit 22

1. Discipline Specific Course (DSC): Total 02

[DSC-7: Sāhitya: Vāsavadattā & Kādambarī](#)

Credits 04

[DSC-8: Origin and Development of Indian Linguistics](#)

Credits 04

2. Discipline-Specific Elective (DSE): Any 03 from pool

Credits 04+04+04=12

DSE-5 Any 01 from the following DSE-5 pool

Credits 04

[DSE-5: Nirukta & Bhāradwāja Śrautasūtra](#)

OR

[DSE-5: Sarvadarśanasamgraha](#)

OR

[DSE-5: Īśvarapratyabhijñānākārikā-I](#)

OR

[DSE-5: Aitihāsikamahākāvya](#)

OR

[DSE-5: Kāvyaḷaṅkāraḷkārikā](#)

OR

[DSE-5: Kāvyaḷaṅkārasūtravṛtti](#)

OR

[DSE-5: One-Act Plays in Sanskrit](#)

OR

[DSE-5: Siddhāntakaumudī: Kṛdanta and Samāsa](#)

OR

[DSE-5: Introduction to Avestan Language](#)

OR

[DSE-5: Kautilya's Arthaśāstra-2](#)

OR

[DSE-5: Inscriptions of Gupta Period](#)

OR

[DSE-5: Writing of Manuscripts](#)

OR

[DSE-5: Vālmīki Rāmāyana-2](#)

OR

[DSE-5: Introduction to Python Programming for Sanskrit-2](#)

OR

[DSE-5: Suśruta Samhitā: Chikitsasthanam](#)

OR
[DSE-5: Trisatika](#)
OR
[DSE-5: Bhāratīya Kundalī Vijñāna-I](#)

DSE-6 Any 01 from the following DSE-6 pool:

Credits 04

[DSE-6: Research Trends and Innovations in Vedic Studies](#)
OR
[DSE-6: Research in Indian Philosophy](#)
OR
[DSE-6: Research Innovations in Sanskrit Poetics](#)
OR
[DSE-6: Research in Sanskrit Poetry](#)
OR
[DSE-6: Research Trends and Innovations in Nāṭyaśāstra](#)
OR
[DSE-6: Research Trends in Itihāsa–Purāṇic literature](#)
OR
[DSE-6: Research in Sanskrit Grammar](#)
OR
[DSE-6: Research in Sanskrit Computational Linguistics](#)
OR
[DSE-6: Phonetics and Speech Technology Research](#)
OR
[DSE-6: Research Trends in Dharmaśāstras](#)
OR
[DSE-6: Trends and Innovations in Indian Epigraphy](#)
OR
[DSE-6: Research Trends and Survey in Indian Manuscriptology](#)
OR
[DSE-6: Research Methodology in Jyotish Śāstra](#)

DSE-7 Any 01 from the following DSE-7 pool:

Credits 04

[DSE-7: Vedabhāsyabhūmikā & Brhaddevatā](#)
OR
[DSE-7: Viśiṣṭādvaita Vedānta](#)
OR
[DSE-7: Mādhyaṃikakārikā](#)
OR
[DSE-7: Stotrakāvya](#)
OR
[DSE-7: Abhinavakāvyaḷaṅkārasūtram](#)
OR

[DSE-7: Vyaktiviveka](#)

OR

[DSE-7: Natāṅkuśa–Sanskrit Theatre Criticism](#)

OR

[DSE-7: Aṣṭādhyāyī Kāśikāvṛtti](#)

OR

[DSE-7: Vedic Sanskrit and Avestan Language](#)

OR

[DSE-7: The Gautam Dharmasūtra](#)

OR

[DSE-7: Inscriptions of Post-Gupta Period](#)

OR

[DSE-7: Conservation of Manuscripts](#)

OR

[DSE-7: Agnipurāṇa](#)

OR

[DSE-7: Information Retrieval and Concept Mining in Sanskrit](#)

OR

[DSE-7: Bhāvaprakāśanighantu by Bhāvamīśra](#)

OR

[DSE-7: Praśnajnāna](#)

OR

[DSE-7: Muhūrtta Mārtanda](#)

OR

[DSE-7: Lilawati](#)

GE-3 Any 01 from the following pool

Credits 04

[GE-3: Vedic Knowledge Tradition and Indian Culture](#)

OR

[GE-3: Survey of Sanskrit Poetry-3](#)

OR

[GE-3: Basic elements of Sanskrit Poetics-3](#)

OR

[GE-3: Origin and Development of Vāstuśāstra](#)

OR

[GE-3: Military System in Dharmaśāstras](#)

OR

[GE-3: Poetics in Purāṇas](#)

OR

[GE-3: Web Publishing for Indian Languages](#)

OR

[GE-3: Linguistic Speculations in Sanskrit](#)

OR

[GE-3: Outline of Culture & Civilization in Sanskrit Literature](#)

OR

[GE-3: Sanskrit Inscriptions of Early India: Mauryan to Harsha Period](#)

OR

[GE-3: भारतीय आदर्शचरित](#)**Skill-Based Courses (SBC): Any 01 from the pool****Credits 02****SBC-3 (Open to all) anyone from the pool****Credits 02**[SBC-3: Vaidika Yajña & Karmakāṇḍa](#)

OR

[SBC-3: Identification of Śabdaśakti](#)

OR

[SBC-3: Computational Techniques in Sanskrit Research](#)

OR

[SBC-3: Advanced Practices in Vāstuśāstra](#)

OR

[SBC-3: Reading Skills in Brahmi and Sharda Scripts](#)

OR

[SBC-3: Nāṭya-Lekhana-Kalā](#)**Semester IV****Credit 22****1. Discipline Specific Course (DSC): Total 02**[DSC-9: Sanskrit Grammar: Laghusiddhānta-Kaumudī-2](#)

Credits 04

[DSC-10: Darśana: Sāṅkhya & Mīmāṃsā](#)

Credits 04

Total Credits 12**2. Discipline-Specific Elective (DSE): Any 03 from pool****Credits 04+04+04=08****DSE-8 Any 01 from the following DSE-8 pool****Credits 04**[DSE-8: Vedavyākhyā & Surveys on Vedic Commentaries](#)

OR

[DSE-8: Brahmasūtraśāṅkarabhāṣya](#)

OR

[DSE-8: Nyāyabindu](#)

OR

[DSE-8: Śāstrakāvya - Bhattikāvya](#)

OR

[DSE-8 Modern Sanskrit Khandakāvya](#)

OR

[DSE-8: Aucityavicāracarcā](#)

OR

[DSE-8: Nāṭaka Prakaraṇa of Pratāparudrayaśobhūsanam](#)

OR

[DSE-8: Vākyapadīya Kāraka Samuddeśa & Siddhāntakaumudī Kāraka Prakaraṇa](#)

OR

[DSE-8: Sanskrit and South Asian Language](#)

OR

[DSE-8: Nāradaśmṛti](#)

OR

DSE 8: Decipherment of Brahmi Inscriptions

OR

DSE-8: Methods of Critical Text Editing

OR

DSE-8: Bhāgavata-Purāṇa

OR

DSE-8: Chatbot Development using Sanskrit Corpora

OR

DSE-8: Computational Modelling of Pāṇini's Astādhyāyī

OR

DSE-8: Suśruta Samhitā: Chikitsasthanam & Kalpasthāna

OR

DSE-8: Bhāratīya Kundalī Vijñāna-II

OR

DSE-8: Bijaganitam

OR

DSE-8: Mimamsa Nyaya Prakash

OR

DSE-8: Prakrit Language and Literature

DSE-9 Any 01 from the following DSE-9 pool

Credits 04

DSE-9: Sāmaveda, Chāndogyopanīṣad & Vaidika Chanda

OR

DSE-9: Vaidika Vyākaraṇa

OR

DSE-9: Brahmasūtraśrībhāṣya

OR

DSE-9: Nyāyasiddhāntamuktāvalī II

OR

DSE-9: Subhāṣitakāvya

OR

DSE-9: Navyakāvyaṭṭvāmīmāṃsā

OR

DSE-9: Rasagaṅgādhara

OR

DSE-9: Vaiyākaraṇasiddhāntaparamalaghumañjūsā

OR

DSE-9: Mahābhāṣya

OR

DSE-9: Āpastamba Dharmasūtra

OR

DSE-9: Inscriptions of Pre-Medieval India

OR

DSE-9: Role of Museums in Preserving Indian Cultural Heritage

OR

[DSE-9: Geographical, Astronomical and Philosophical Elements in Visnu-Purāna](#)

OR

[DSE-9: Computing Sanskrit Grammar](#)

OR

[DSE-9: Computational Sanskrit Poetics and Poetry](#)

OR

[DSE-9: Carakasamhitā: Chikitsasthana](#)

OR

[DSE-9: Sūryasiddhānta: Madhyamādhikāra](#)

OR

[DSE-9: Brahmasphuttasiddhanta](#)

DSE-10 Any 01 from the following DSE-10 pool

Credits 04

[DSE-10: Yājñavalkyaśikṣā & Nirukta](#)

OR

[DSE-10: Yogasūtra with Vyāsabhāṣya](#)

OR

[DSE-10: Introduction to Vāda Vidyā](#)

OR

[DSE-10: Isvarapratyabhijñānakārikā-II](#)

OR

[DSE-10: Dvisandhānakāvya](#)

OR

[DSE-10: Modern Sanskrit Poetic Genres](#)

OR

[DSE-10: Vakroktijīvitam](#)

OR

[DSE-10: Kaviśikṣā and Kavisamaya](#)

OR

[DSE-10: Vākyapadīyam Brahmakānda](#)

OR

[DSE-10: Paribhāṣenduśekhara by Nāgeśabhatta](#)

OR

[DSE-10: Pāraskaraghyasūtra](#)

OR

[DSE-10: Insights into Deccan, South Indian and Overseas Inscriptions](#)

OR

[DSE-10: Field Work and Practical in Manuscriptology and Paleography](#)

OR

[DSE-10: An introduction to Itihāsa and Pūranic texts](#)

OR

[DSE-10: Kūrma-Purāna](#)

OR

[DSE-10: Computational Tools for Manuscriptology, Epigraphy and Palaeography](#)

OR

[DSE-10: Computational Lexicography](#)

OR

[DSE-10: Computational Application for Ayurvedic Texts](#)

OR

[DSE-10: Amkaśāstra](#)

OR

[DSE-10: Siddhantashiromani](#)

GE-4 Anyone from the following GE-4 pool

Credits 04

[GE-4: Scientific Thoughts in Vedic Literature](#)

OR

[GE-4: Survey of Sanskrit Poetry-4](#)

OR

[GE-4: Alaṅkāra](#)

OR

[GE-4: Judicial Systems in Dharmaśāstric Tradition](#)

OR

[GE-4: Śrīmadbhagavadgītā](#)

OR

[GE-4: Introduction to NLTK for Indian Languages](#)

OR

[GE-4: Basic Principles of Vāstuśāstra](#)

OR

[GE-4: Sanskrit Inscriptions of the Early Medieval and Medieval Period](#)

Skill-Based Courses (SBC): Any 01 from the pool

Credits 02

SBC-4 Anyone from the following SBC-4 pool

Credits 02

[SBC-4: Surveys on Vedic Manuscripts](#)

OR

[SBC-4: Rasānubhūti](#)

OR

[SBC-4: AI Tools for Research & Teaching in Sanskrit](#)

OR

[SBC-4: Web Publishing for Sanskrit Texts](#)

OR

[SBC-4: Advanced Acting Skills based on Nāṭyaśāstra](#)

OR

[SBC-4: Horoscope with Lāla Kitāba](#)

OR

[SBC-4: Reading Skills in Grantha Scripts](#)

Total Credits 22

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Structure 2 (Level 6.5): PG Curricular Structure with Coursework + Research**Total: 44 Credits****Semester-III****Credit 22****1. Discipline Specific Course (DSC): Total 02**[DSC-7: Research Methodology in Sanskrit](#)

Credits 04

[DSC-8: Origin and Development of Indian Linguistics](#)

Credits 04

2. Discipline-Specific Elective (DSE): Any 02 from pool**Credits 04+04+04=12****DSE-5 Any 01 from the following DSE-5 pool****Credits 04**[DSE-5: Nirukta & Bhāradwāja Śrautasūtra](#)**OR**[DSE-5: Sarvadarśanasamgraha](#)**OR**[DSE-5: Īśvarapratyabhijñānakārikā-I](#)**OR**[DSE-5: Aitiḥāsikamahākāvya](#)**OR**[DSE-5: Kāvyaḷaṅkārikārikā](#)**OR**[DSE-5: Kāvyaḷaṅkārasūtravṛtti](#)**OR**[DSE-5: One-Act Plays in Sanskrit](#)**OR**[DSE-5: Siddhāntakaumudī: Kṛdanta and Samāsa](#)**OR**[DSE-5: Kautilya's Arthaśāstra-2](#)**OR**[DSE-5: Inscriptions of Gupta Period](#)**OR**[DSE-5: Writing of Manuscripts](#)**OR**[DSE-5: Vālmiki Rāmāyana-2](#)**OR**[DSE-5: Introduction to Python Programming for Sanskrit-2](#)**OR**[DSE-5: Suśruta Saṁhitā: Chikitsasthanam](#)**OR**[DSE-5: Trisatika](#)**OR**[DSE-5: Bhāratīya Kuṇḍalī Vijñāna-I](#)**DSE-6 Any 01 from the following DSE-6 pool:****Credits 04**

[DSE-6: Research Trends and Innovations in Vedic Studies](#)

OR

[DSE-6: Research in Indian Philosophy](#)

OR

[DSE-6: Research Innovations in Sanskrit Poetics](#)

OR

[DSE-6: Research in Sanskrit Poetry](#)

OR

[DSE-6: Research Trends and Innovations in Nāṭyaśāstra](#)

OR

[DSE-6: Research Trends in Itihāsa–Purāṇic literature](#)

OR

[DSE-6: Research in Sanskrit Grammar](#)

OR

[DSE-6: Research in Sanskrit Computational Linguistics](#)

OR

[DSE-6: Research Trends in Dharmaśāstras](#)

OR

[DSE-6: Trends and Innovations in Indian Epigraphy](#)

OR

[DSE-6: Research Trends and Survey in Indian Manuscriptology](#)

OR

[DSE-6: Research Methodology in Jyotish Śāstra](#)

Dissertation/Academic Project/ Entrepreneurship

Credits 06

Semester IV

Credit 22

1. Discipline Specific Course (DSC): Total 02

[DSC-9: Grammar: Laghusiddhānta-Kaumudī-2](#)

Credits 04

[DSC-10: Darśana: Sāṅkhya & Mīmāṃsā](#)

Credits 04

Total Credits 12

2. Discipline-Specific Elective (DSE): Any 02 from pool

Credits 04+04=08

DSE-7 Any 01 from the following DSE-7 pool

Credits 04

[DSE-7: Vedavyākhyā & Surveys on Vedic Commentaries](#)

OR

[DSE-7: Brahmasūtraśāmkarabhāṣya](#)

OR

[DSE-7: Nyāyabindu](#)

OR

[DSE-7: Śāstrakāvya - Bhattikāvya](#)

OR

[DSE-7: Modern Sanskrit Khandakāvya](#)

OR

[DSE-7: Aucityavicāracarcā](#)

OR

[DSE-7: Nāṭaka Prakaraṇa of Pratāparudrayaśobhūsanam](#)

OR

[DSE-7: Vākyapadīya Kāraka Samuddeśa & Siddhāntakaumudī Kāraka Prakaraṇa](#)

OR

[DSE-7: Nāradaśmṛti](#)

OR

[DSE-7: Decipherment of Brahmi Inscriptions](#)

OR

[DSE-7: Methods of Critical Text Editing](#)

OR

[DSE-7: Bhāgavata-Purāṇa](#)

OR

[DSE-7: Chatbot Development using Sanskrit Corpora](#)

OR

[DSE-7: Suśruta Saṃhitā: Chikitsasthanam & Kalpasthāna](#)

OR

[DSE-7: Bhāratīya Kundalī Vijñāna-II](#)

OR

[DSE-7: Bijaganitam](#)

DSE-8 Any 01 from the following DSE-8 pool

Credits 04

[DSE-8: Sāmaveda, Chāndogyaopanīśad & Vaidika Chanda](#)

OR

[DSE-8: Vaidika Vyākaraṇa](#)

OR

[DSE-8: Brahmasūtraśrībhāṣya](#)

OR

[DSE-8: Nyāyasiddhāntamuktāvalī II](#)

OR

[DSE-8: Subhāṣitakāvya](#)

OR

[DSE-8: Navyakāvyaṭṭattvamīmāṃsā](#)

OR

[DSE-8: Rasagaṅgādhara](#)

OR

[DSE-8: Vaiyākaraṇasiddhāntaparamalaghumañjūsā](#)

OR

[DSE-8: Mahābhāṣya](#)

OR

[DSE-8: Āpastamba Dharmasūtra](#)

OR

[DSE-8: Inscriptions of Pre-medieval India](#)

OR

[DSE-8: Role of Museums in Preserving Indian Cultural Heritage](#)

OR

[DSE-8: Geographical, Astronomical and Philosophical Elements in Visnu-Purāna](#)

OR

[DSE-8: Computing Sanskrit Grammar](#)

OR

[DSE-8: Computational Sanskrit Poetics and Poetry](#)

OR

[DSE-8: Carakasamhitā: Chikitsasthana](#)

OR

[DSE-8: Sūryasiddhānta: Madhyamādhikāra](#)

OR

[DSE-8: Brahmasphuttasiddhanta](#)

Dissertation/Academic Project/ Entrepreneurship

Credits 06

Courses for Two-Year PG (Sanskrit) Programme based on NEP-2020

2nd Year (Semesters 3 & 4) of PG curricular structure for 2-year PG Programmes

Courses for Two-Year PG (Sanskrit) Programme based on NEP-2020

2nd Year (Semesters 3 & 4) of PG curricular structure for 2-year PG Programmes

Structure 3 (Level 6.5): PG Curricular Structure with Research Only

Total: 44 Credits

Semester-III

Credit 22

1. Discipline Specific Course (DSC): Total 01

DSC-7: Major Areas of Sanskrit Research

Credits 04

2. Discipline-Specific Elective (DSE): Any 01 from pool

Credits 04=04

DSE-5 Any 01 from the following DSE-5 pool

Credits 04

DSE-5: Research Trends and Innovations in Vedic Studies

OR

DSE-5: Research in Indian Philosophy

OR

DSE-5: Research Innovations in Sanskrit Poetics

OR

DSE-5: Research in Sanskrit Poetry

OR

DSE-5: Research Trends and Innovations in Nāṭyaśāstra

OR

DSE-5: Research Trends in Itihāsa–Purāṇic literature

OR

DSE-5: Research in Sanskrit Grammar

OR

DSE-5: Research in Sanskrit Computational Linguistics

OR

DSE-5: Research Trends in Dharmaśāstras

OR

DSE-5: Trends and Innovations in Indian Epigraphy

OR

[DSE-5: Research Trends and Survey in Indian Manuscriptology](#)

OR

[DSE-5: Research Methodology in Jyotish Śāstra](#)

Research Methods	Credits 02
Advanced Research Methodology for Sanskrit	Credits 02
Research Tools	Credits 02
Tools for Sanskrit Research	Credits 02
One intensive problem-based research	Credits 10

Semester IV	Credit 22

DSE-6 Any 01 from the following DSE-6 pool	Credits 04

[DSE-6: Trends and Research Survey in Vedic Literature](#)

OR

[DSE-6: Trends and Research Survey in Indian Philosophy](#)

OR

[DSE-6: Research Methodology in Sanskrit Poetics](#)

OR

[DSE-6: Research Survey in Dharmaśāstra](#)

OR

[DSE-6: Computational Tool Development for Sanskrit Texts](#)

OR

[DSE-6: Research Methodology in Sanskrit Grammar](#)

OR

[DSE-6: Trends and Research Survey in Indian Epigraphy](#)

OR

[DSE-6: Researches in Jyotisa Śāstra](#)

Techniques of research writing	Credits 02
<u>Fundamental Techniques for Thesis and Research Paper Writing</u>	Credits 02
One intensive problem-based research	Credits 16

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Detailed Syllabus

Structure I (Level 6,5): PG Curricular Structure with Only Coursework

Total: 88 Credits

Semester III

Credit 22

1. Discipline Specific Course (DSC): Total 03

DSC-7: Sāhitya: Vāsavadattā & Kādambarī

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sāhitya: Vāsavadattā & Kādambarī	04	3	1	0	Nil	Nil

Learning Objectives

The general objective of this course is to expose the students to the Vasavadatta of Subandhu and the Kādambarī of Bāṇabhaṭṭa, the two foundational literary works in every sense.

Learning outcomes

After the completion of this course the students:

- Will find themselves well acquainted with the highest forms of prose writings with its poetic beauty along with social relevance.
- Will form an idea of the superb aesthetic expressions that make Sanskrit composition occupy the position of pride in world literature.
- Will be able to appreciate the expressions of Rasa, Dhvani and other literary elements contributing to the making of art called poetry.
- Will be exposed to the art of employment of Alankaras in a prose form of poetry.

Detailed Syllabus

Unit: I

Hour 11

वासवदत्ता विशेषतः प्रास्ताविक पद्य, चिन्तामणिवर्णन, कन्दर्पकेतुवर्णन, वासवदत्ताविषयकस्वप्नवर्णन

Unit: II

Hour 11

वासवदत्ता विशेषतः मकरन्दसंवाद, विन्ध्याचलवर्णन, रेवावर्णन, कुसुमपुरवर्णन (मध्यमे लोकमवततारपर्यन्त)

Unit: III

Hour 11

कादम्बरी (कथामुख) विशेषतः प्रास्ताविकपद्य, शूद्रकवर्णन, चाण्डालकन्यावर्णन और विन्ध्याटवीवर्णन

Unit: IV

Hour 12

कादम्बरी (कथामुख) विशेषतः पञ्चवटीवर्णन, शाल्मलीवृक्षवर्णन, शबरसैन्यवर्णन, हारीतवर्णन, जाबालिवर्णन

Tutorial

- Text Reading & Annotation
- Character analysis workshop
- Short Research Paper / Concept Note
- Student-Led Presentation & Peer Review

Essential/Recommended Readings/Texts

Essential Readings:

1. वासवदत्ता – कृष्णमाचार्य श्रीरंगम् 1906, श्रीवाणीप्रेस
2. वासवदत्ता - शङ्करदेव शास्त्री, चौखम्बा विद्याभवन, वाराणसी
3. वासवदत्ता – जमुना पाठक, चौखम्बा कृष्णदास अकादमी, वाराणसी, 2010
4. वासवदत्ता – शिवरामव्याख्या, कलकत्ता
5. वासवदत्ता- वेद प्रकाश डिंडोरिया, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली, 2018
6. कादम्बरी - भट्टमथुरानाथ शास्त्री, निर्णयसागर प्रेस, बॉम्बे
7. कादम्बरीकथामुखम् – कौशल किशोर श्रीवास्तव, शाश्वत प्रकाशन, प्रयागराज, 2022
8. चन्द्रशेखर द्विवेदी, कादम्बरी कथामुखम्, महालक्ष्मी प्रकाशन, आगरा
9. कादम्बरी - देवर्षि सनाढ्य, विश्वविद्यालय प्रकाशन, वाराणसी
10. कादम्बरी - धर्मेन्द्रनाथ शास्त्री, प्रकाशन केन्द्र, सीतापुर रोड, लखनऊ
11. कादम्बरी - रामस्वरूप शास्त्री, रामनारायणलाल बेनीमाधव, इलाहाबाद
12. Vasavadatta Louis H. Gray, Columbia University Press, New York, 1913
13. Kadambari P.V. Kane, Oriental Book Agency, Pune

Additional Resources:

1. अग्रवाल, वासुदेवशरण कादम्बरी एक मांस्कृतिक अध्ययन, चौखम्बा विद्याभवन, वाराणसी, 1970
2. पाण्डेय, अमरनाथ- बाणभट्ट का माहित्यिक अनुशीलन, भारतीय विद्या प्रकाशन, वाराणसी, 1974

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSC-8: Origin and Development of Indian Linguistics

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Origin and Development of Indian Linguistics	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce the students to some important concepts and theories of philology and modern Linguistics and help them observe and analyse the Sanskrit language in their light. The paper will familiarise the learners with Sanskrit phonology, morphology, syntax and semantics.

Learning outcomes

After the completion of the course, the students will:

- be able to observe and analyse the Sanskrit language with reference to the developments that have taken place with the advent of modern linguistics.
- understand the basic concepts of historical linguistics and will know the rules of language change and their application in Sanskrit.
- understand the important causes and directions of phonetic change and semantic change with reference to Sanskrit.

Detailed Syllabus

Unit: I

Hours: 12

Origin and Development of Indian Linguistics

Linguistics Elements in the Vedic Literature

Word-for-word recitation, Padapāṭhas

Vedāṅgas: including phonetics, metrics, grammar, and etymology.

Pāṇini: Asthdayi & Paniniya Shiksha

Modern Developments:

Language documentation,

Sociolinguistics, Comparative Linguistics

Computational Linguistics

Important aspects of Indian Linguistics

Phonetics and Phonology (sounds)

Morphology (word structure)

Syntax (sentence structure)

Semantics (Meaning)

Unit: II**Hours: 11**

Classification of Languages:
 Typological classification & Genetic classification
 Vedic Sanskrit and Avesta.
 Classical Sanskrit, Pali, Prakrit, and Apabhramśa.

Unit: III**Hours: 12**

Basic Concepts of Sanskrit Phonetics
 Classification of Sanskrit Sounds
 Place of Articulatory and Acoustic Phonetics
 Speech production
 Reasons and Directions of Sound Changes
 Major Phonetics Laws: Grimm's law, Grassmann's law, Verner's law, Talavya Law, Murdhanta Law
 Applications for Sanskrit Phonetics: Speech Technology

Semantics Changes
 Reasons and Directions of Semantics Changes

Unit: IV**Hours: 10****Modern Linguistics Development**

Structuralism: Ferdinand de Saussure (early 20th century)
Generative Grammar: Noam Chomsky (Starting in the 1960s,)

Modern developments:

Sanskrit Computational Linguistics
 Introduction to Sanskrit Computational Linguistics (SCL)
 Areas of Sanskrit Computational Linguistics:
 Speech Technology,
 Language Analysis/Text Processing,
 Artificial Intelligence
 Text Preservation and Search, Machine Translation

Tutorial Activities

- Linguistics Analysis of Sanskrit Morphology
- Survey of Sanskrit Linguistics
- Survey of Computational Linguistics
- Group Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. तिवारी, भोलानाथ तुलनात्मक भाषाविज्ञान, मोतीलाल बनारसीदास, दिल्ली, 1974
2. तिवारी, भोलानाथ भाषाविज्ञान, किताब महल, इलाहाबाद, 1992
3. व्यास, भोलानंकर संस्कृत का भाषाशास्त्रीय अध्ययन, चौखम्बा विद्याभवन, 1957
4. Burrow, T., Sanskrit Language (also trans. into Hindi by Bholashankar Vyas), Chaukhamba Vidya Bhawan, Varanasi, 1991
5. Crystal, David The Cambridge Encyclopedia of Language, Cambridge, 1997
6. Gune, P.D. Introduction to Comparative Philology, Chaukhamba Sanskrit Pratisthan, Delhi, 2005.
7. Subhash Chandra (2021). भाषासंगणन (Language Computing), Upasana Publications, New Delhi, India, ISBN: 978-93-87677-05-0.

8. Subhash Chandra (2017). मशीनी अनुवाद (Machine Translation) यूजीसी सीबीसीएस स्कीम के तहत बीए (संस्कृत) के एईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित. Vidya Nidhi Prakashana, New Delhi, India, ISBN 978-93-85539-52-

Additional Resources:

1. Gosh, B.K. Linguistic Introduction to Sanskrit, Sanskrit Pustak, Calcutta, 1977
2. Jespersen, Otto Language: its Nature, Development and Origin, George Allen & Unwin, London, 1954
3. Murti, M. Srimannarayana An Introduction to Sanskrit Linguistics, D.K. Publication, Delhi, 1984
4. Taraporewala Elements of the Science of Language, Calcutta University Press, Calcutta, 1962

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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2. Discipline-Specific Elective (DSE): Any 03 from pool Credits 04+04+04=12

Any one of the following DSE-5 pools

DSE-05: Nirukta & Bhāradwāja Śrautasūtra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Nirukta & Bhāradwāja Śrautasūtra	04	3	1	0	Nil	Nil

Learning Objectives

The course provides an understanding of Vedic deities, especially through the science of etymology propounded by Yāska in Nirukta. The course also exposes the students to the various forms of sacrificial and ritualistic aspects pertaining to the life of Vedic Āryans. A short portion of the Bhāradwāja-Śrautasūtra is prescribed in the course to give an idea of the great ceremonial acts visualized by our ancient seers.

Learning outcomes

After completion of this course, the students:

- will be able to express the ancient Indian science of etymology as depicted in Nirukta.
- will be able to realize ancient ideas of linguistics and the original form of Divinities.
- will be able to form a basic idea of the vast ritualistic life of the Vedic people.
- will know the symbolic meanings of the religious activities described in the Vedic literature.
- will be able to differentiate among Yajñas according to the Śrauta literature.

Detailed Syllabus

Unit: I	Hours: 11
Nirukta, Chapter - IV	
Unit: II	Hours: 12
Nirukta, Chapter - VIII	
Unit: III	Hours: 11
Nirukta, Chapter - IX	
Unit: IV	Hours: 11
Bhāradwāja Śrautasūtra, Praśna VI, 15-18	

Tutorial Activities

1. Doubt solving classes.
2. Development of writing and reading skills in Sanskrit.

3. Learning the etymology of Vedic Words e.g. Jaha, Suvite, Aditi, Dravinoda, Apri, Asva, Manduka etc.
4. Learning the detailed description regarding Charu, Purodasha, Agrayanesti, Krsnajina, Prakrti Yajna etc.

Essential/Recommended Readings/Texts

Essential Readings:

1. निरुक्तम् (कश्यपप्रजापतिकृत-निघण्टुभाष्यरूपम्), पं. मुकुन्द झा बख्शी, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली, २०१२
2. निरुक्तम्, व्याख्याकार, श्री छज्जुराम शास्त्री विद्यासागर, मेहरचन्द लछमनदास पब्लिकेशन्स, दिल्ली, २०१२
3. निरुक्त-यास्क, दैवतकाण्ड ७-१२, (सम्पादक) सीतारामशास्त्री, परिमल पब्लिकेशन्स, दिल्ली, १९९५
4. निरुक्तम्, सम्पादक, डॉ. उमाशंकर शर्मा 'ऋषि', चौखम्बा विद्याभवन, वाराणसी, २०११
5. Nirukta with Nighantu with Durga's comm. (Ed.) by R.G. Bhandarkar, BORI, Poona, 1942.
6. Nirukta (Ed.) with English Trans. by Lakshman Sarup, M.L.B.D., Delhi, 1984.
7. Nirukta, Yaska (Ed.), V.K. Rajwade, BORI, Poona, 1993. 6. Sutras of Bharadwaja, Edited and Translated by C. G. Kashikar, Vaidika Samsodhana Mandala, Pune, 2003 Page 61 of 218

Additional Resources:

1. द्विवेदी मनोहरलाल, कात्यायनयज्ञपद्धति-विमर्श, राष्ट्रीय संस्कृत संस्थान, नई दिल्ली, २०१०
2. शास्त्री, शिवनारायण - निरुक्त-मीमांसा, दिल्ली, १९६९
3. धर्मशास्त्र का इतिहास, मूल लेखक, भारतरत्न डॉ. पी वी काणे, अनुवादक, अर्जुन चौबे काश्यप, उत्तर प्रदेश हिन्दी संस्थान, लखनऊ, २०१४
4. Kane, P.V. - History of Dharmashastra, BORI, Poona, 1930
5. Mahendale, M.A. - Nirukta Notes, Deccan College, Poona, 1965

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Sarvadarśanasamgraha

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sarvadarśanasamgraha	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to present the Philosophical values of Cārvāka, Buddhism, Jainism, and Pūrṇaprajña philosophy as depicted in Madhvacharya's Sarvadarśanasamgraha. The course especially highlights these scriptures as the knowledge domains of the elements of ontology, epistemology, ethics, and their development as a system of Indian philosophy.

Learning outcomes

After the completion of this course, the students will:

- Be able to acquire the knowledge of various philosophical thoughts as reflected in the prescribed texts.
- Be able to understand and explain the conceptual terms therein.
- Be able to compare the thoughts with the main schools of Indian philosophy.
- Be able to understand and explain the prescribed texts.
- Be able to apply their knowledge in day-to-day practical life for the peace, harmony, and welfare of humanity.

Detailed Syllabus

Unit: I	Hours: 11
Cārvāka Darśana	
Unit: II	Hours: 11
Bauddha Darśana	
Unit: III	Hours: 11
Jaina Darśana	
Unit: IV	Hours: 12
Pūrṇaprajña Darśana	

Tutorial Activities

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study

- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension

Essential/Recommended Readings/Texts

1. माधवाचार्य. *सर्वदर्शनसंग्रह*. व्याख्याकार: उमाशंकर शर्मा ऋषि, चौखम्बा विद्याभवन, वाराणसी, 1964.
2. माधवाचार्य. *सर्वदर्शनसंग्रह*. व्याख्याकार: जनार्दन प्रसाद राटाटे, चौखम्बा विद्याभवन, वाराणसी, 2019
3. Mādhavācārya. *Sarvadarśanasangraha*. Edited by Madan Mohan Agrawal, Chaukhamba Surabhārati Prakashan, Delhi. 2002
4. Mādhavācārya. *Sarvadarśanasangraha*. Translated by E. B. Cowell and A. E. Gough, Motilal Banarsidass, Delhi. 1882

Additional Resources

1. शर्मा, चन्द्रधर. *भारतीय दर्शन: आलोचन और अनुशीलन*. मोतीलाल बनारसीदास, दिल्ली, 2004.
2. नरेन्द्रदेव, आचार्य. *बौद्ध धर्म-दर्शन*. मोतीलाल बनारसीदास, दिल्ली, 2015
3. उपाध्याय, बलदेव. *बौद्ध दर्शन*. शारदा मन्दिर, बनारस, 1946
4. जैन, महेन्द्र कुमार. *जैन दर्शन*. जैन ग्रन्थमाला, वाराणसी, 1966
5. Dasgupta, S. N. *History of Indian Philosophy*. Vols. I–V, Motilal Banarsidass, Delhi, 1975.
6. Radhakrishnan, S. *Indian Philosophy*. Vols. I–II, George Allen & Unwin, London, 1933.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Íśvarapratyabhijñākārikā-I

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Íśvarapratyabhijñākārikā-I	04	3	1	0	Nil	Nil

Learning Objectives

Kashmir Shaivism is one of the most profound philosophical and spiritual traditions of the Indian knowledge system that emerged in the Kashmir region. This course offers an in-depth study of the philosophy of Kashmir Shaivism, focusing on its metaphysical, epistemological, and cosmological concepts on the basis of the primary texts, philosophical debates, and contemporary readings. Students will explore this non-dualistic philosophy that presents a world view from the tantric perspective.

Learning outcomes

By the end of the course, students will be able to:

- Explore the historical development and key figures like Abhinavagupta and Vasugupta within Kashmir Shaivism.
- Understand the philosophical foundations of Kashmir Shaivism.
- Analyze key texts and doctrines within the Kashmir Shaivism tradition.
- Explore the contemporary relevance and influence of Kashmir Shaivism in modern spiritual practices.

Detailed Syllabus

Unit: I	Hours: 11
Kriyādhikāra I & II	
Unit: II	Hours: 11
Kriyādhikāra III & IV	
Unit: III	Hours: 11
Āgamādhikāra Adhyāya I	
Unit: IV	Hours: 12
Āgamādhikāra Adhyāya II	

Tutorial Activities

1. Textual Reading & Explanation
2. Concept Mapping
3. Analytical Discussion

4. Comparative Study
5. Debate Session
6. Writing Assignment
7. Quiz & Oral Examination
8. Presentation
9. Research Extension
10. Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. Abhinavagupta, Bodhapanchadashika (English Translation), Ishvara Ashram Trust, 2006
2. Abhinavagupta, Bodhapanchadashika, Kashmir Text Series, Kashmir, 1947
3. Abhinavagupta, Ishvarapratyabhijnnavivritivimarshini, (edi.) Madhusudana Kaul Shastri, Vol. I & II, Kashmir, 1941
4. Abhinavagupta, Shri Shri Paratrishikavivarana with Vivriti (Hindi Translation), Nilakantha Gurtu, Motilal Banarsidass Publisher Private Limited, Delhi, 1985
5. Abhinavagupta, Sritantraloka with Viveka by Jayaratha, Vol. I, II, III, IV, V, VI, VII, VIII Sampurnananda Sanskrit Vishvaadidyalaya, Varanasi, 2000.
6. Abhinavagupta, Bhashkari of Ishvarapratyabhijnnavimarshini, Vo. I, II, III Sampurnanda Sanskrit Vishwavidyalaya, Varanasi, 1998
7. Abhinavagupta, Tantrasara, Vo. I,II, Chaukhamba Surabharati Prakashan, Varanasi, 2000
8. Ishvarapratyabhijnakarika of Utpaladeva: Verses on the Recognition of the Lord, Motilal Banarsidass Publisher Private Limited, Delhi, 2004
9. Utpaladeva, Siddhitrayi, K.S.S, Kashmir, 1917.

Additional Resources:

1. Baumar, Bettina, Abhinavagupta's Hermeneutics of the Absolute Anuttaraprakriya: An Interpretation of his Paratrishika Vivarana, D.K. Print World LTD., New Delhi, 2011
2. Bhattacharya, N.N., History of the Tantric Religion, A Historical, Ritualistic @ Philosophical Study, Munshiram Manoharlal Publications, New Delhi, 1982
3. Brajballabha Dwivedi, Tantragamiya Dharma Darshan, Vol. I & II, Shivabharati Sodha Pratishthan, Varanasi, 2001
4. Deshpande, G.T., Abhinavagupta, Sahitya Akademi, New Delhi, 1992
5. Pandey, K.C., Abhinavagupta: An Historical na Philosophical Study, Chaukhamba Amarabharati Prakashan, Varanasi, 2006
6. Rastogi, Navajivan, Introduction to the Study of Tantraloka: A Study in Structure, Motilal Banarsidass Publishers Private Limited, Delhi, 1987
7. Rastogi, Navajivan, Kashmir Shivadvayavada ki Mula Avadharanayen, Munshiram Manoharlal Publication, Delhi, 2002

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Aitihāsikamahākāvya**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Aitihāsikamahākāvya	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to give the students glimpses of the rich historical poetry in the Sanskrit literary tradition through the reading of four very important compositions of Padmagupta Parimala, Bilhana, Kalhana, and Nayacandra Sūrī.

Learning outcomes

After completion of this course, the students:

- will be able to appreciate the historical, aesthetic, social, political, cultural, etc. values expressed in prescribed compositions.
- Will understand the structural patterns of ancient Sanskrit historical poetry.
- Will be able to know the history of ancient India.
- Will be familiar with the individual styles of the four greatest of Sanskrit poets.

Detailed Syllabus**Unit: I**

नवसाहसार्कचरितम् : प्रथम सर्ग

Hours: 11**Unit: II**

विक्रमाङ्कदेवचरितम् : प्रथम सर्ग

Hours: 11**Unit: III**

राजतरङ्गिणी : प्रथम तरङ्ग (प्रारम्भिक १५० पद्य)

Hours: 11**Unit: IV**

हम्मीरमहाकाव्य : प्रथम सर्ग

Hours: 12**Tutorial Activities**

- Poetry Appreciation
- Textual Interpretation
- Theme Identification
- Peer Review Workshop

Essential/Recommended Readings/Texts

Essential Readings:

1. नवसाहसाङ्कचरितम् (पद्मगुप्त परिमल) – वामन इस्लामपुरकर, बम्बई संस्कृत सीरीज, मुम्बई
2. नवसाहसाङ्कचरितम् (पद्मगुप्त परिमल) – जितेन्द्र चन्द्र भारतीय, विद्याभवन संस्कृत ग्रन्थमाला, वाराणसी।
3. विक्रमाङ्कदेवचरितम् (बिल्हण) – श्रीकान्त पाण्डेय, साहित्य भण्डार, मेरठ, 2000
4. विक्रमाङ्कदेवचरितम् (बिल्हण) – रामावतार शर्मा, ज्ञानमण्डल यन्त्रालय, वाराणसी
5. राजतरङ्गिणी (कल्हण) – दुर्गाप्रसाद, निर्णय सागर प्रेस, मुम्बई
6. राजतरङ्गिणी (कल्हण) – रामतेज शास्त्री पाण्डेय, चौखम्बा संस्कृत प्रतिष्ठान, वाराणसी
7. हम्मीरमहाकाव्य (नयचन्द्र सूरी) – हरगोविन्द शास्त्री, राजस्थान प्राच्यविद्या प्रतिष्ठान, जोधपुर, 1993
8. हम्मीरमहाकाव्य (नयचन्द्र सूरी) हिन्दी अनुवाद – मुकेश शर्मा, राजस्थान प्राच्यविद्या प्रतिष्ठान, जोधपुर, 1997

Additional Resources:

1. गर्ग, कमलेश – कल्हण की राजतरङ्गिणी में राजनीतिक परिस्थितियाँ, विद्यानिधि प्रकाशन, दिल्ली, 2004
2. पाण्डेय, भूपेन्द्रमणि – हम्मीर महाकाव्य का समालोचनात्मक अध्ययन, बुन्देलखण्ड विश्वविद्यालय, झाँसी, 2005
3. शर्मा उमा शंकर 'ऋषि' – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
4. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
5. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Kāvyaṅkārakārikā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Kāvyaṅkārakārikā	04	3	1	0	Nil	Nil

Learning Objectives

The course seeks to introduce contemporary theories on Sanskrit poetics, dealing with traditional and modern questions. It seeks to show how Sanskrit poetics is a living tradition.

Learning outcomes

After completion of this course the students:

- Will have an understanding of the new approach in the realm of Sanskrit Poetics;
- Will acquire knowledge of the different dimensions of poetry i.e. effects (Prayojana), cause (Hetu), definition (Lakshana) and forms (Kavya-bheda), blemishes (Kavya-dosha), poetics - Excellences (Kavya-guna) etc. through the reading of the texts of Kavyalankarakarika of Revaprasada Dwivedi
- Will become aware of new concept of Alaṅkāra as soul of Poetry.
- will be able to compare modern and ancient thoughts of poetics.
- will gain the ability to explain and critically analyze the prescribed texts.

Detailed Syllabus

Unit: I

Hours: 11

अलङ्कार की अवधारणा, काव्यलक्षण, काव्यहेतु, काव्यप्रयोजन, आचार्य द्विवेदी के विचारों का आधार-विवेचन।

Unit: II

Hours: 11

काव्य का आत्मतत्त्व, काव्य का स्वरूप, शब्द, अर्थ एवं भाषा-तत्त्व-सम्बन्धी विचार, सहृदय की दृष्टि से काव्य-सम्बन्धी विचार।

Unit: III

Hours: 11

‘साहित्य’ शब्द का विवेचन, काव्योत्पत्ति एवं काव्यधर्म की उत्पत्ति पर विचार, काव्यधर्मों के विविध रूपों का विवेचन।

Unit: IV

Hours: 12

रस की काव्यात्मता की समीक्षा, आचार्य द्विवेदी के अनुसार काव्य-लक्षण एवं काव्य-दर्शन से सम्बन्धित विशिष्ट अवधारणाओं की समीक्षा, अलङ्कार का अर्थ स्पष्ट करते हुए काव्य में उसकी स्थिति का मूल्यांकन।

Tutorial Activities

- Translation and Commentary Workshop
- Thematic Essay or Poetic Merit

- Rasa Demonstration
- Creative Reconstruction: Compose a short Sanskrit or bilingual poem employing at least two alankāras

Essential/Recommended Readings/Texts

Essential Readings:

1. काव्यालङ्कारकारिका, रेवाप्रसाद द्विवेदी (हिन्दी-अंग्रेजी अनुवाद), कालिदास संस्थानम्, नूतन संस्करण, वाराणसी, 2001

Additional Resources:

1. द्विवेदी, रेवा प्रसाद, भारतीय काव्यसमीक्षा में अलङ्कार सिद्धान्त, मेकमिलन एण्ड कम्पनी, दिल्ली, 1980
2. द्विवेदी, रेवा प्रसाद, संस्कृत काव्यशास्त्र का आलोचनात्मक इतिहास, कालिदास संस्थान, वाराणसी, 2007
3. द्विवेदी, रहस्यबिहारी, साहित्यविमर्शः, सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2002
4. नान्दी, टी.एस., सहृदयालोकलोचन, एल. डी. इंस्टीट्यूट ऑफ इंडोलॉजी, अहमदाबाद, 2005
5. पाण्डेय, रमाकान्त, आधुनिकसंस्कृतकाव्यशास्त्रसमीक्षणम्, जगदीश संस्कृत पुस्तकालय, जयपुर, 2009
6. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
7. यादव राजमङ्गल, संस्कृत काव्यशास्त्र की अर्वाचीन परम्परा, प्रतिभा प्रकाशन, दिल्ली, 2011

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Kāvyaṅkārāsūtravṛtti

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Kāvyaṅkārāsūtravṛtti	04	3	1	0	Nil	Nil

Learning Objectives

Kāvyaṅkārāsūtravṛtti of Vāmana is a basic text of Rīti theory in Sanskrit poetics. The purpose of this course is to introduce the learners with the Rīti theory in Sanskrit poetics. The course also intends to equip the learners with the knowledge of very important text Kāvyaṅkārāsūtravṛtti.

Learning outcomes

Upon Successful completion of this course students:

- will form a deep understanding of the fundamental terminologies of kavya as presented by Vāmana.
- will acquire an in-depth knowledge of the theory of Rīti.
- will be successful in applying this knowledge for critical analysis in the light of Rīti theory.
- will gain the ability to explain and critically analyze the prescribed texts.
- will be able to appreciate and enjoy the expressions of poetry.

Detailed Syllabus

Unit: I	Hours: 11
प्रथम अधिकरण – प्रथम अध्याय, द्वितीय अध्याय – अधिकारचिन्ता ।	
Unit: II	Hours: 11
प्रथम अधिकरण – द्वितीय अध्याय – रीतिनिश्चय, तृतीय अध्याय – काव्याङ्ग, काव्यविशेष ।	
Unit: III	Hours: 11
तृतीय अधिकरण – प्रथम अध्याय – गुणालङ्कारविवेक, शब्दगुणविवेक ।	
Unit: IV	Hours: 12
तृतीय अधिकरण – द्वितीय अध्याय – अर्थगुणविवेचन ।	

Tutorial Activities

- Text Reading and Sūtra Explanation
- Concept Clarification Chart
- Application through Poetry
- Seminal Discussion: Evolution of Poetic Thought

Essential/Recommended Readings/Texts

Essential Readings:

1. काव्यालङ्कारसूत्रवृत्ति - वामन, (व्या.) हरगोविन्द शास्त्री, चौखम्बा सुरभारती प्रकाशन, वाराणसी
2. काव्यालङ्कारसूत्रवृत्ति - वामन, (व्या.) आचार्य विश्वेश्वर सिद्धान्त शिरोमणि, आत्माराम एण्ड सन्स, दिल्ली
3. काव्यालङ्कारसूत्रवृत्ति - वामन, (व्या.) केदारनाथ शर्मा, चौखम्बा कृष्णदास अकादमी, वाराणसी

Additional Resources:

1. चौधुरी, एन.एन. - काव्यतत्त्वसमीक्षा (संस्कृत में), दिल्ली
2. राय, विक्रमादित्य, काव्यसमीक्षा, भारतीयविद्याप्रकाशन, वाराणसी
3. De, Sushil Kumar, History of Sanskrit Poetics (also Hindi translation), Oriental Book Centre, Delhi, 2006
4. Kane, P.V., *History of Sanskrit Poetics* (also Hindi translation), M.L.B.D., Delhi, 2002
5. Pandey, Kanti Chandra, *Comparative Aesthetics*, Vol. 1, (also Hindi translation Chaukhamba Sanskrit Series Office, Varanasi, 1972

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-5: One-Act Plays in Sanskrit

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Single-Act Plays in Sanskrit	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to introduce students to the diverse and rich tradition of Sanskrit one-act plays, focusing on four primary dramatic forms: Bhana, Prahasana, Vyayoga, Vithi, Anka. Students will study selected representative works from each genre and explore their structure, language, dramatic techniques, social context, and literary value.

Learning outcomes

Upon Successful completion of this course students:

- After successful completion of this course, students will:
- Demonstrate knowledge of different Sanskrit one-act play genres.
- Translate and critically assess Sanskrit dramatic texts.
- Articulate the historical and cultural background of selected plays.
- Engage in analytical discussion on dramaturgy and performative aspects.
- Write scholarly essays on the relevance and uniqueness of classical Sanskrit theatre forms.

Detailed Syllabus

Unit I: Bhāṇa

Hour 11

- Text: *Ubhayābhisārikā* by Vararuchi
- Form: Monologue-based satirical dramatic form
- Focus: Narrative technique, internal dialogue, love and urban life etc.

Unit II: Prahasana

Hour 12

- Text: *Bhagavadajjukīyam* by Bodhayana
- Form: Farcical comedy, often with social or religious satire
- Focus: Humor, satire on religious hypocrisy, body-soul dualism etc.

Unit III: Utsr̥ṣṭikāṅka & Vīthī

Hour 11

- Text: *Dūtaghāṭkaca* of Bhāsa
- *Līlāvatī* by Rāmpānivāda
- Form: One-actor improvisational drama with abstract or symbolic elements
- Focus: Poetic style, narrative brevity, emotional expression etc.

Unit IV: Vyāyoga**Hour 11**

- Text: *Kirātārjunīya* vyāyoga by Vatsarāja
- Form: Heroic one-act play with martial or mythological themes
- Focus: Heroism, valor, mythic themes, dramatic conflict etc.

Tutorial Activities

- Script Reading
- Character Study
- Scene Writing
- Stage Design Project
- Review Writing
- Dialogue Practice

Essential/Recommended Readings/Texts

1. Ubhayābhisārikā by Vararuchi – Ed. & Trans. by A.B. Gajendragadkar
2. Bhagavadajjukam by Bodhayana – Ed. with English Translation by C. Rajendran
3. Kirātārjunīya (Vyayoga) by Vatsarāja – Sanskrit Text with Commentary
4. **Dūtaghāṭokaca** of Bhāsa , Ramshankar Tripathi, Ramshankar Tripathi
5. **Dūtaghāṭokaca** of Bhāsa . Sastri, T. Ganapati. Publication date: 1912
6. Līlāvati by Rampanivāda – Ed. Sugyan kumar Mahanti, D.K. Printworld Pvt. Ltd.,2020
7. चतुर्भाषी, अनु मोतीचन्द्र, हिन्दी ग्रन्थ रत्नाकर कार्यालय प्राइवेट लि० बम्बई , 1960
8. वत्सराजप्रणीतरूपकषटकम् सम्पा- चिमनलाल दलाल, गायकवाड ओरियण्टल संस्थान , बडौदा,1918

Additional Readings:

1. Keith, A. B. (1924). *The Sanskrit Drama in Its Origin, Development, and Decline*. Oxford: Clarendon Press.
2. Pollock, Sheldon. (2009). *The Language of the Gods in the World of Men: Sanskrit, Culture, and Power in Premodern India*. Berkeley: University of California Press.
- De, S. K. *History of Sanskrit Literature, Volume II: Classical Period*. University of Calcutta, Calcutta, 1960.
- Kapoor, Subodh. *Encyclopaedia of Indian Literature* Cosmo Publications, New Delhi, 2002.
3. Varma, R. C. *Sanskrit Drama and Harsha*, Munshiram Manoharlal, . New Delhi, 970.
4. Chaturvedi, B. P. *Dramatic Techniques in Sanskrit Theatre: A Study of Ratnavali and Venisamhara*. Eastern Book Linkers, Delhi,1995.
5. M. Krishnamacharya, *A history of classical Sanskrit Literature*, Vijayanti press, Madras, 1906
6. S. Ramaratnam, *Prahasana in Sanskrit Literature*, Kavyalaya Publishers, Mysore, 1987
7. वीरबाला शर्मा, संस्कृत के एकांकी रूपक, मध्यप्रदेश हिन्दी ग्रन्थअकादमी, भोपाल
8. भरतिया, कान्तिकिशोर. संस्कृत नाटककार, प्रकाशन शाखा, सूचनाविभाग, प्रयाग उत्तरप्रदेश,,1959
9. सिंह, उदयभानु. (अनु). संस्कृतनाटक, ए०बी० कीथ, मोतीलाल बनारसीदास,1965
10. सिंह, इन्द्रपाल. संस्कृत नाटक समीक्षा, साहित्य निकेतन, कानपुर,1960
6. शुक्ल, रामलखन. संस्कृत नाट्यकला, मोतीलाल बनारसीदास, दिल्ली 1971.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Siddhāntakaumudī: Kṛdanta and Samāsa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial 1	Practical/ Practice		
Siddhāntakaumudī: Kṛdanta and Samāsa	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is two-fold; (i) Enhancing and advancing the knowledge of primary suffixes and the derivational processes of the words ending with those suffixes through the reading of the text of Siddhāntakaumudī of Bhattoji Dixit and (ii) Enhancing and advancing the knowledge of Sanskrit compound and the derivational processes of the words ending with those suffixes through the reading of the text of Siddhāntakaumudī

Learning outcomes

After the completion of this course the students will:

- learn the structural patterns and semantic aspects of primary Sanskrit suffixes.
- learn the derivational processes of Sanskrit words ending with primary suffixes.
- learn to identify the general and exceptional patterns of primary suffixes and their interchangeability.

Detailed Syllabus

Unit: I	Hour 11
सिद्धान्तकौमुदी कृदन्त प्रकरण कृत्य प्रकरण एवं पूर्व कृदन्त (सिद्धान्तकौमुदी: पूर्वकृदन्तः) (क्त-प्रत्ययप्रकरण के द्रवमूर्तिस्पर्शयोः शयः से विकुशमिपरिभ्यःस्थलम् सूत्रों को छोड़कर)	
Unit: II	Hour 11
सिद्धान्तकौमुदी कृदन्त-प्रकरण उत्तरकृदन्त-प्रकरण	
Unit: III	Hour 11
सिद्धान्तकौमुदी समास-प्रकरण अव्ययीभाव एवं तत्पुरुष	
Unit: IV	Hour 12
सिद्धान्तकौमुदी समास प्रकरण बहुव्रीहि से अलुक् तक	

Tutorial Activities

- Sūtra Reconstruction Exercise

- Terminology Glossary Compilation: compile a curated glossary of key terms with explanations and examples from *Siddhāntakaumudī*.
- Prakaraṇa-Wise Sutra Grouping
- Prakriyā Simulation

Essential/Recommended Readings/Texts

1. वैयाकरणसिद्धान्तकौमुदी (बालमनोरमा-तत्त्वबोधिनी-टीका) गिरिधरशर्माचतुर्वेदएवंपरमेश्वरानन्दशर्मा, तृतीयभाग, दिल्ली।
2. गोविन्दाचार्य, वैयाकरणसिद्धान्तकौमुदी (चतुर्थभाग: प्रथमखण्ड, द्वितीयखण्ड), चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2010
3. जिज्ञासु, पं. ब्रह्मदत्त सोनीपत, हरियाणा अष्टाध्यायी (भाष्य) प्रथमावृत्ति, रामलालकपूरट्रस्ट, बहालगढ़,
4. शास्त्री शिवनारायण, वैयाकरण-सिद्धान्तकौमुदी, भ्वादिगण (भवतोषिणी हिन्दीटीका सहित), दिल्ली 1989
5. Sharma, Ramanath - The Astadhyayi of Panini, Vol.1 to Vol. 6, Munshiram Monoharlal Publishers Pvt. Ltd. Delhi. 1987-2003
6. Vasu, S.C. The Astadhyayi of Panini (2 Vols.), Motilal Banarasidass, Delhi-1997
7. E-Learning Tools developed by Computational Sanskrit Group, Department of Sanskrit University of Delhi available at: <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Introduction to Avestan Language

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Avestan Language	04	3	1	0	Nil	Nil

Learning Objectives:

The followers of Zoroastrian (Parasi) religion possessed an extensive sacred literature-Avesta similar to Veda. A close affinity in many respects in language, thought and cultural aspects in the Veda and Avesta showed a new path in the field of socio-historic linguistics, which was a very popular area of learning in the 18th to 20th century. But now-a-days the study of this subject is very less among contemporary higher learning institutions.

This course aims to facilitate the young generation to learn and research in the area of comparative linguistics.

Learning outcomes:

The learner will be able to learn the language of the Avesta which is closely allied to Vedic Sanskrit. He will also be well equipped to study side by side with the Vedic literature for the proper understanding of both the cultures.

Detailed Syllabus:

Unit-I:

Hours: 11

History of Zoroastrian Religion and its Literature

Socio- Political History of Zoroastrian (Parsi) Society.

Canon of Avestan Literature.

Unit-II:

Hours: 11

Avestan Script learning in light of Gathic & Post-Gathic Literature

Avestan Script and Linguistic speculation.

Pronunciation of alphabets, phonetic division, orthographic rules for Placement of letters.

Unit-III:

Hours: 12

Morphology of Gathic and Post-Gathic

Declension of Nouns, Pronouns, Adjectives, Gender Numerals and metre.

Sandhi, Verbs and some grammatical rules.

Unit IV:

Hours: 11

Avestan Text Reading

Haoma Yasna IX.

Tutorial Activities:

- Doubt solving classes.
- Development of writing and reading skills in Avesta.
- Learning the Avestan grammatical rules, gender pronoun etc.

Essential/Recommended Readings/Texts**Essential Readings:**

1. Kanga, M. F., Avesta Reader, Vaidika Samsodhana Mandala, Pune, 1988
2. Jackson, A.V.W., Avesta Grammar and Reader, Part-1, E.W. Kohlhammer, Stuttgart, 1892.
3. Kanga, A Practical Grammar of the Avestan Language, 1891
4. K. Hoffmann, the Avestan Script, Encyclopaedia Iranica III, pp.47-51
5. K. Hoffmann, The Grammar of Avestan, Encyclopaedia Iranica III, 1987, pp. 56-62
6. शर्मा, देवीदत्त, संस्कृति का ऐतिहासिक एवं संरचनात्मक परिचय, हरियाणा साहित्य अकादमी, चंडीगढ़, 1984
7. वर्मा, रामगोपाल, वैदिक व्याकरण, भाग-2, मयूर पेपरबाइक्स, नोएडा, 2003

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Kautilya's Arthaśāstra-2

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Kautilya's Arthaśāstra-2	04	3	1	0	Nil	Nil

Learning Objectives

This course provides an in-depth study of the Arthaśāstra, focusing on its structural divisions and core concepts. Students will explore the foundational principles of governance, statecraft, and economic management, welfare, taxation, strategies for economic management, kingship, administration, and diplomacy. The course emphasizes definitions, key duties, and policies for state welfare. Through critical engagement with these texts, students will develop an understanding of ancient political systems, administrative strategies, and ethical governance, connecting them with contemporary leadership and policy-making frameworks.

Learning outcomes

1. Understand the structural framework and organization of the Arthaśāstra's (adhikaraṇa, prakaraṇas and adhyaya).
2. Develop a comparative understanding of ancient and modern governance principles and their practical implications.

Detailed Syllabus

Unit: I

Hour 11

Arthaśāstra

Yogavṛtta -Adhikaraṇa-5
Maṇḍalayoni -Adhikaraṇa-6

Unit: II

Hour 11

Arthaśāstra

Śāḍguṇya -Adhikaraṇa-7
Vyasanādhikārika -Adhikaraṇa-8

Unit: III

Hour 11

Arthaśāstra

Abhiyāsyatkarman -Adhikaraṇa-9
Sāṅgrāmika -Adhikaraṇa-10

Unit: IV

Hour 12

Arthaśāstra

Ābaliyasa -Adhikaraṇa-12
Durgalambhopāya -Adhikaraṇa-13
Aupaniṣadika -Adhikaraṇa-14
Tantrayukti-Adhikaraṇa-15

Tutorial Activities

- Contextual Lecture
- Comparative Study
- Case Study
- Presentation

Essential/Recommended Readings/Texts

1. गैरोला, वाचस्पति.(2021). कौटिलीय-अर्थशास्त्रम्. चौखम्बा विद्याभवन, वाराणसी.
2. तिवारी, श्यामलेश कुमार.(2017). कौटिलीय अर्थशास्त्रम्. चौखम्बा सुरभारती प्रकाशन, वाराणसी.
3. कौटिल्य अर्थशास्त्र संस्कृत टीका सहित, संपादक-टी. गणपतिशास्त्री, त्रिवेन्द्रम्।
4. Chaudhary, R.K. - Kautilya's Political Ideas and Institutions, Chaukhamba S. Series Varanasi, 1971.
5. Tiwari, Shyamlesh Kumar, 2024. Kautilya Arthashastram, chaukhamba publishing house, varanasi
6. T. Ganpatishastri (2013) Arthashastra of Kautilya english translated by N.P Unni, New Bharatiya Book Corporation
7. Banerji, Sures Chandra. *A brief history of Dharmaśāstra*. Abhinav Publications, 1999.
8. Kangle, R.P. (2010) Kautilya Arthashastra, Motilal Banarasidass
9. Shamashastry, R. (2021) Kautilya's Arthashastra, Dev Publishers & Distributors
10. Kane, Pandurang Vaman. *History of dharmaśāstra*. Vol. 2. Poona: Bhandarkar Oriental Research Institute, 1973.
11. Olivelle, Patrick, and Donald Richard Davis, eds. *Hindu law: a new history of Dharmaśāstra*. Oxford University Press, 2018.
12. Online Search and Indexing Tools for Dharmashastric Texts, available at: <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-5: Inscriptions of Gupta Period

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Inscriptions of Gupta Period	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to provide students with a comprehensive understanding of the inscriptions from the Gupta period, focusing on their historical, linguistic, and cultural significance. It aims to familiarize students with key inscriptions of Gupta rulers, exploring their role in documenting political, administrative, and religious developments. The course will also examine the evolution of scripts and the impact of Gupta inscriptions on understanding the economic, social, and cultural landscape of ancient India. Students will gain skills in analyzing and interpreting these inscriptions as primary sources of historical knowledge.

Learning outcomes

After the completion of this course, the students will:

- Gain a deep understanding of the historical, linguistic, and cultural importance of Gupta period inscriptions.
- Be able to analyze key inscriptions of Gupta rulers and their impact on political and administrative history.
- Develop skills to interpret inscriptions as valuable sources for studying religious, social, and economic aspects of the Gupta period.
- Learn about the evolution of scripts and stylistic features in Gupta inscriptions.
- Recognize the significance of Gupta period inscriptions in shaping the broader historical narrative of ancient India.

Detailed Syllabus

Unit: I

Hour 11

- Political and Cultural Background of the Gupta Period
- Significance and Geographical Spread of Inscriptions in the “Golden Age”
- System of Dating and Gupta Samvat
- Evolution of Gupta Script

Unit: II

Hour 11

- Prayag Pillar Inscription of Samudragupta
- Mehrauli Iron Pillar Inscription of Chandragupta
- Mathura Pillar Inscription of Chandragupta II
- Udaigiri Caves Inscription of Chandragupta II

- Bhilsad Pillar Inscription of Kumaragupta
- Damodar Patt Copperplate Inscription of Kumaragupta

Unit: III

Hour 11

- Bhitari Pillar Inscription of Skandagupta
- Girnar Inscription of Skandagupta
- Kahaun Inscription of Skandagupta
- Mandsaur Inscription of Pattwaya Shreni
- Mandsaur Inscription of Yashodharman

Unit: IV

Hour 12

- Khoh Copper-plate Inscription of Maharaja Sankshobha
- Sarnath Buddha Statue Inscription of Buddhagupta
- Eran Varaha Inscription of Tormaan
- Gwalior Inscription of Mihirkula
- Puna Copper plate Inscription of Prabhavati Gupta

Tutorial Activities

- Learning of dating systems and chronology
- Study of dynastic lineage and genealogy
- Knowledge of geographical location and mapping
- Study of scripts, language and palaeography

Essential/Recommended Readings/Texts

1. उपाध्याय, वासुदेव. गुप्त साम्राज्य का इतिहास. (खण्ड 1-2), इण्डियनप्रेस, इलाहाबाद, 1957.
2. उपाध्याय, वासुदेव. गुप्त अभिलेख. बिहार हिन्दी ग्रन्थ अकादमी, पटना, 2000.
3. ऋषि, उमाशंकर. अभिलेख रत्नमाला. नागरी प्रचारिणी सभा, वाराणसी, 1984.
4. फलीट, जे.एफ. भारतीय अभिलेख संग्रह. (प्रारम्भिक गुप्त शासकों के अभिलेख), राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर, 1974.
5. मजूमदार, आर.सी. एवं अल्लेकर, ए.एस. गुप्त-वाकाटक युग. मोतीलाल बनारसीदास, दिल्ली, 1968.
6. श्रीवास्तव, के. सी. प्राचीन भारत का इतिहास तथा संस्कृति. यूनाइटेड बुक डिपो, इलाहाबाद, 2022.
7. सैनी, रणजीत सिंह. अभिलेखमञ्जूषा. न्यू भारतीय बुक कार्पोरेशन, दिल्ली, 2000.
8. सहाय, शिवस्वरूप. भारतीय पुरालेखों का अध्ययन. मोतीलाल बनारसीदास, दिल्ली, 2008.
9. Banerji, M. A Study of Important Gupta Inscriptions. Calcutta, 1974.
10. Majumdar, R.C. & Pusalkar, A.D. The History and Culture of the Indian People. Vol. III (The Classical Age), Bhartiya Vidya Bhavan, Bombay, 1984.
11. Mookarji, R.K. The Gupta Empire. Moti Lal Banarsi Dass, Delhi, 1973.
12. Sircar, D.C. Select Inscriptions. University of Calcutta, Calcutta, 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-5: Writing of Manuscripts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Writing of Manuscripts	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to familiarize students with the principles and techniques involved in the writing of manuscripts. It aims to explore the historical and cultural aspects of manuscript production, including the materials, tools, and writing styles used across different periods and regions. The course will focus on understanding the methods employed in the creation of manuscripts, from preparation of surfaces to the actual writing process, helping students appreciate the craftsmanship involved in preserving and transmitting knowledge through handwritten texts.

Learning outcomes

After the completion of this course, the students will:

- Understand the historical and cultural significance of manuscript writing practices.
- Learn about the materials, tools, and techniques used in the creation of manuscripts.
- Develop an appreciation for the craftsmanship involved in manuscript production.
- Gain insight into the different writing styles and scripts used in various historical contexts.
- Acquire the skills to analyze and interpret the physical characteristics of handwritten manuscripts.

Detailed Syllabus

Unit: I

Hour 11

- Importance and purpose
- Writers
- Lipikaar (Scribers)
- Distortions by Scribers
- Writing or Direction- Alignment, Mixed words, Full stop, Page number

Unit: II

Hour 12

- Missing Fraction fill sign (छूटे अंश की पूर्तिचिह्न)
- Abbreviation Symbol (संक्षिप्त चिह्न)
- Number writing
- Words to Number

Unit: III

Hour 11

- Auspicious symbol (मंगल प्रतीक)
- Namaskar, Aashirvachan, prashasti

- Upasanhar, Pushpika, Shubhashubh
- Shubhashubh in writing breaks, Lekhani Shubhashubh, Vidhi Nishedh

Unit: IV

Hour 11

- Ink, Color ink, Golden ink,
- Painting cop composition colour (चित्र रचना रंग)
- Tools for Writing Manuscripts
- Dora-dori, Granthi, Hartal

Tutorial Activities

- Introduction and Material Study
- Script Identification Exercise
- Manuscript Preservation Workshop
- Paleographic Study and Dating Exercise
- Scribe and Patronage Discussion
- Translation and Content Analysis

Essential/Recommended Readings/Texts

1. पाण्डुलिपिविज्ञान - कमर सत्येन्द्र
2. Manuscript and Manuscriptology in gudra. Nandi S. G. and Palit P.K
3. Manuscriptology, Nayar. key Mahesvaran
4. Manuscriptology an entrance, Jagannatha. S. Parimal Publication
5. New lights on Manuscriptology; a collection of articles of Prof. K.V
6. Study of Manuscripts, Chinthahar Chakravarthi
7. Aspects of Manuscript studies of M.L. Wadekar
8. Writing Materials in Ancient India, S. R. Sharma
9. Manuscriptology, K. Maheshwarian Nair

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-5 Vālmīki Rāmāyaṇa-2

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial I	Practical/ Practice		
Vālmīki Rāmāyaṇa-2	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to present a thorough picture of valuable cultural heritage of India as preserved in the epics of Vālmīki Rāmāyaṇa. The individual characters of the epic, social, economic, geographical, political, philosophical and educational systems as reflected in the epic will be the major highlighting points.

Learning outcomes

After the completion of this the course students will:

- be able to learn about the behavioural values, ethics and belief patterns through the individual characters of the epic.
- be able to explain the aesthetic and poetic beauty and style of presentation of the texts of Vālmīki Rāmāyaṇa.
- get the knowledge of the historic value of Vālmīki Rāmāyaṇa.
- learn about the social, economic, geographical, political, philosophical and educational aspects of Vālmīki Rāmāyaṇa.

Detailed Syllabus

Unit: I	Hour 11
वाल्मीकि रामायण (गीताप्रेस संस्करण) – बालकाण्ड (19–23 सर्ग)	
Unit: II	Hour 12
वाल्मीकि रामायण (गीताप्रेस संस्करण) – अयोध्याकाण्ड (52, 79, 97, 105, 115 सर्ग)	
Unit: III	Hour 11
वाल्मीकि रामायण (गीताप्रेस संस्करण) – अरण्यकाण्ड (47-51 सर्ग)	
Unit: IV	Hour 11
वाल्मीकि रामायण (गीताप्रेस संस्करण) – किष्किन्धाकाण्ड (14–18 सर्ग)	

Tutorial Activities

- Sarga Recitation
- Character Study Workshop

- Rasa and Alāṅkāra Identification
- Sītā's Trial: Literary and Feminist Interpretation
- Theological Dimensions
- Artistic and Cultural Expressions

Essential/Recommended Readings/Texts

Essential Readings:

1. Ramayana with Hindi trans., Gita Press, Gorakhpur.
2. Ramayana with four commentaries by Govindaraja & others, Lakshmi Venkateswara Press, Bombay, 1935
3. Ramayana ed. by Chinnaśwami Śāstri and V.H. Subrahmanyam Śāstri, Pub. by N. Ramaratham, Madras, 1958

Additional Resources:

1. Hopkins, E.W., The Great Epic of India, Reprinted by Punthi Pushtaka, Calcutta, 1969
2. Ramayana with four commentaries by Govindaraja & others, Lakshmi Venkateswara Press, Bombay, 1935
3. Ramayana ed. by Chinnaśwami Śāstri and V.H. Subrahmanyam Śāstri, Pub. by N. Ramaratham, Madras, 1958

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Introduction to Python Programming for Sanskrit-2

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Python Programming for Sanskrit-2	04	3	0	1	Nil	Nil

Learning Objectives

When students complete Intro to Programming with Python, they will be able to: Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions. Work with user input to create fun and interactive programs. Create simple games with images, animations, and audio using our custom beginner-friendly programming library, Wizardlib

Learning outcomes

Students can learn to construct basic programs using fundamental programming concepts like variables, conditional logic, looping, and functions. Students can learn to create interactive programs for Sanskrit that work with user input, Students can learn to automate tasks using Python for processing of Sanskrit texts and develop the various teaching and learning tools for Sanskrit. Students can learn to work with large datasets easily.

Detailed Syllabus

Unit: I

Hour 12

Python - Operators

- Types of Python Operators
- Arithmetic Operators
- Comparison (Relational) Operators
- Assignment Operators
- Logical Operators
- Bitwise Operators
- Membership Operators
- Identity Operators
- Python - User Input

Unit: II

Hour 11

Python - Numbers

Python - Booleans

Python - Control Flow

- Decision Making Statements

Unit: III
Types of Decision Making Statements in Python
Python - Loops

Hour 11

Unit: IV
Python - Functions and Python Modules

Hour 11

Practical Activities
Sanskrit Verse Analyzer
Word Frequency Analyzer
Sanskrit Morphology Generator
Sanskrit Sandhi Generator

Essential/Recommended Readings/Texts:

1. <https://www.tutorialspoint.com/python>
2. <https://www.w3schools.com/python/>
3. <https://docs.python.org/3/tutorial/index.html>
4. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
5. <https://www.javatpoint.com/python-tutorial>
6. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
7. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.
8. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
9. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
10. Aamer Y. Khan, Python Programming Language with Python Project, Code Academy, 2024

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Suśruta Saṃhitā: Chikitsasthanam

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Suśruta saṃhitā: Chikitsasthanam	04	3	1	0	Nil	Nil

Learning Objectives

The Suśruta saṃhitā is an ancient Indian medical text that aims to provide knowledge of surgery, anatomy, and other aspects of health. It also emphasizes the importance of cleanliness and sterilization in surgical procedures. The Suśruta saṃhitā provides information on surgical techniques, such as wound closure, suturing, and bandaging. It also emphasizes the importance of using sterile tools and maintaining a clean surgical environment.

Learning outcomes

Sushruta has a rich history of medicine that is imbued with his pioneering spirit, which carried enduring influence. His works have been relevant in fomenting generations of surgeons and medical practitioners into the annals of history and solidifying his place as a timeless figure in the evolution of medical science. Students will be able to know the ancient procedures of surgery.

Detailed Syllabus

Unit: I

Hour 11

Chikitsasthanam

Dvivraṇīyacikitsita
Sadyovraṇacikitsita
Bhagnacikitsita
Vātavyādhicikitsita
Mahāvātavyādhicikitsita

Unit: II

Hour 11

Chikitsasthanam

Arśācikitsita
Aśmarīcikitsita
Bhagandaracikitsita
Kuṣṭhacikitsita
Mahākuṣṭhacikitsita
Pramehacikitsita
Pramehapiḍakācikitsita

Unit: III

Hour 11

Chikitsasthanam

Madhumehacikitsita
 Udaracikitsita
 Mūḍhagarbhacikitsita
 Vidradhicikitsita
 Visarpanāḍīstanarogacikitsita
 Granthyapacyarbudagalagaṇḍacikitsita
 Vṛddhyupadaṁśaślīpadacikitsita
 Kṣudrarogacikitsita
 Śūkarogacikitsita

Unit: IV**Hour 12****Chikitsasthanam**

Mukharogacikitsita
 Śophacikitsita
 Anāgatabādhāpratiṣedha
 Miśrakacikitsita
 Kṣīṇabaliyavājīkaraṇa
 Sarvopaghātaśamanīyarasāyana
 Medhāyuhkāmīyarasāyana
 Svabhāvavyādhipratiṣedhanīyarasāyana
 Nivṛttasaṁtāpīyarasāyana

Tutorial Activities

- Discussion on Various Disease Symptoms depicted in the Text
- Discussion on Various Herbs

Essential/Recommended Readings/Texts

1. अनन्तराम शर्मा, 2019.सुश्रुत संहिता, चौखम्बा सुरभारती प्रकाशन. भाग 1-3
2. केशव कृणाल ठकराल, 2014.सुश्रुत संहिता, चौखम्बा ओरियन्टलिया, वाराणसी भाग 1-2.
3. Singhal, G. D. Susruta Samhita: Ancient Indian Surgery (in 3 Vol. Set). Chaukhamba Sanskrit Pratishthan, 1975.
4. Bhishagratna, Kaviraj Kunja Lal. *An English Translation of the Sushruta Samhita, Based on Original Sanskrit Text, Vol. 3.* Forgotten Books, 2018.
5. Patil, Vasant C. *Susruta Samhita, 3 Volumes.* Chaukhambha Publications, 2018.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Trisatika

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Trisatika	04	3	1	0	Nil	Nil

Learning Objectives:

The course aims to introduce contemporary theories and facts about Vedic mathematics and the Bhartiya mathematical tradition, addressing both traditional and modern questions. It seeks to demonstrate how Vedic mathematics and the entire Bhartiya mathematical tradition is a living practice.

Learning outcomes:

After completion of this course the students:

- Will have a comprehensive understanding of the innovative concepts bridging the gap between Bhartiya Mathematics and Modern Mathematics.
- Will acquire knowledge of the different dimensions of Mathematics i.e. effects, cause, definitions, forms and facts present in Bhartiya Mathematics and Vedic Mathematics. They will explore the historical context, key principles, and methodologies that characterize this unique approach.
- Will become acquainted of new concepts and facts found in Mathematics.
- Will be able to compare modern and ancient thoughts of Mathematics.
- Will achieve the ability to critically analyze and explain the prescribed texts.

Detailed Syllabus:

Unit: I	Hour 11
Trisatika: Verse 1-15 with Nyas Verses	
Unit: II	Hour 11
Trisatika: Verse 16-30 with Nyas Verses	
Unit: III	Hour 12
Trisatika: Verse 31-45 with Nyas Verses	
Unit: IV	Hour 11
Trisatika: Verse 46-60 with Nyas Verses	

Tutorial Activities

- Mathematics as a Cultural Practice
- Discussion Recitation and Pattern Recognition
- Demonstration of Vedic Techniques
- Critical Commentary Writing

Essential/Recommended Readings/Texts:

1. सुद्युम्नाचार्य, त्रिशतिका इत्यपराभिधानः पाटीगणितसारः, राष्ट्रीय संस्कृत संस्थान, नई दिल्ली, 2004
2. D.Heroor, Venugopal, *Śrīdhara's Triśatikā or Pāṭīgāṇitasāra*, Chinmaya International Foundation Shodh Sansthan, Ernakulam, Kerala, 2015.
3. तीर्थ, भारती कृष्ण, वैदिक गणित, मोतीलाल बनारसीदास, दिल्ली, 2005
4. सुद्युम्नाचार्य, गणित शास्त्र के विकास की भारतीय परम्परा, मोतीलाल बनारसीदास, दिल्ली, 2006

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Bhāratīya Kuṇḍalī Vijñāna-I

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Bhāratīya Kuṇḍalī Vijñāna-I	04	3	1	0	Nil	Nil

Learning Objectives:

The objective of this paper is to teach the students about mathematical calculation for making horoscope, various units of time and annual horoscope.

Learning outcomes:

After studying this course students:

- Will be able to know the concept behind Panchanga.
- Will be able to get Knowledge about how to make a horoscope.
- Will be able to know the concept of dasha-sadhana.
- Will be able to know basic concept of Varshphal/Tajikshastra.

Detailed Syllabus:

Unit: I

Hours: 12

पञ्चांगविचार, तिथिक्षयवृद्धिनिर्णय, पञ्चांगमाहात्म्य, भद्रा, राशि, संवत्सर, अयन, गोल, ऋतु, मास, पक्ष, घातचक्र, जन्म-नाम विचार ।

Unit: II

Hours: 11

सूर्योदयसाधन, स्पष्टग्रह, चालन, इष्टकालसाधन, इष्टकालिक ग्रहसाधन, भयात-भभोग, चन्द्रस्पष्टीकरण

Unit: III

Hours: 11

अयनांश, चरखण्डानयन, लंकोदय एवं स्वोदयमान, लग्नानयन, नतसाधन, दशमलग्नसाधन ।

Unit: IV

Hours: 11

संसंधिद्वादशभाव, विंशोपकबल, दशवर्ग, ग्रह उच्च-नीच विभाग, सप्तकवर्गबल-विचार, रेखाष्टक, आयु-साधन ।

Tutorial Activities

- Terminology Familiarization
- Concept Clarification Chart
- Kuṇḍalī Preparation Workshop
- Graha-Bhāva Relationship Exercise
- Group Discussion: Astrology and Philosophy

- Chart Interpretation Practice

Essential/Recommended Readings/Texts:

1. भारतीय कुण्डली विज्ञान-ओझा, मीठालाल हिम्मतराम, देवर्षि प्रकाशन, वाराणसी, 2004
2. भारतीय कुण्डली विज्ञान झा, सुरकांत, चौखंभा संस्कृत सीरीज ऑफिस, वाराणसी, 2016

Additional Resources:

1. भारतीय ज्योतिष शास्त्री, नेमिचन्द्र, भारतीय ज्ञानपीठ प्रकाशन, नईदिल्ली- 1987
2. भारतीयज्योतिषम् - शिवनाथझारखण्डी, उत्तरप्रदेश हिन्दी संस्थान, लखनऊ, 2010
3. भारतीयज्योतिषम् – नेमिचंद्र शास्त्री, भारतीय ज्ञानपीठप्रकाशन, दिल्ली, 1992
4. Tucker, W.M. - Astrology for Everyman, Sagar Publication, New Delhi, 1960
5. History of Indian Astronomy - Sankar Balkrishna Dikshit, Government of India Book Dept, Calcutta, 1981

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research Trends and Innovations in Vedic Studies

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends and Innovations in Vedic Studies	04	3	1	0	Nil	Nil

Learning Objectives

1. To familiarize students with the nature and scope of research in Vedic studies.
2. To introduce modern and traditional research methods in Vedic studies.
3. To analyse major sources, commentarial traditions, and interpretative approaches.
4. To acquaint students with recent trends and interdisciplinary approaches in Vedic studies.

Learning Outcomes

Upon successful completion of this course, the students will be able to:

1. Explain the nature, scope, and significance of research in Vedic studies
2. Identify major sources, texts, commentarial traditions in Vedic literature.
3. Formulate research questions, hypotheses, objectives relevant to Vedic thought.
4. Demonstrate the ability to design a research proposal, knowledge of methodology and literature review related to Vedic studies.
5. Evaluate the relevance and interdisciplinary connections of Vedic knowledge (such as ethics, Vedic sciences, environmental ethos, philosophical insights, sustainable development etc).
6. Prepare quality research papers, book reviews, thesis/dissertation based on primary sources related to Vedic studies

Detailed Syllabus

Unit: I

Nature and Scope of Research in Vedic studies-

Hour 11

- Nature, Scope and Objectives of Research in Vedic studies
- Importance and challenges of researches in Vedic studies.
- Commentary tradition of Vedic Literature

Unit: II

Hour 11

Research Methodology in Vedic studies-

- Different types of research methodology in Vedic studies.
- Writing research proposals, hypotheses, objectives, and review of literature.
- Use of Vedabhashya in research.
- Use of Hermeneutic and exegetical methods in Vedic studies.
- Role and importance of traditional method and Vedic accent in Vedic researches.

Unit: III**Hour 12****Research Tools in Vedic studies researches.**

Nature, scope and use of tools in Vedic researches.

- Use of online resources and technology in Vedic researches (digital libraries, databases, Vedic Heritage portal etc).
- Use of primary and secondary sources.
- Use of research Tools: Critical Edition, Manuscripts, Commentaries, concordances etc.
- Bibliographical tools: Catalogues, Bibliographies, Research journals.

Unit: IV**Hour 11****Research Design, Documentation, and Publication in the Research on Vedic studies**

Citation, transliteration (IAST), and referencing styles.

- Research ethics and academic integrity in Vedic researches.
- Critical review and publications related to Vedic research papers.
- Role of Seminars/conferences, journals, and digital repositories.
- Publications of Patrika/Journals, seminar proceeding, Chapter books, books etc.
- Editing of Manuscripts related to Vedic studies.

Research synopsis, matter collections, Documentation, Thesis /Project/ Monograph writing and Publication.

Reference management and software tools.

Research design, structure and management difference style of references in Vedic studies etc.

Tutorial Activities

- Doubt solving classes.
- Development of writing research paper skills in Sanskrit on Vedic studies.
- Learning to collect materials related to research studies
- Research Paper Presentation
- Analytical Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. Kothari, C.R. *Research Methodology: Methods and Techniques*.
2. Mohanty, J.N. *Reason and Tradition in Indian Thought*.
3. APA or MLA Manual (for citation and ethics guidelines)
4. Ramachandra Rao, S.K. *Research Methodology in Indian Philosophy*

5. UGC Regulations on “Promotion of Academic Integrity and Prevention of Plagiarism (2018)”
6. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, २०१०
7. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, २००८
8. शोधप्रविधि, रहस बिहारी द्विवेदी,

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-6: Research in Indian Philosophy

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Indian Philosophy	04	3	1	0	Nil	Nil

Learning Objectives

- To familiarize students with the nature and scope of research in Indian Philosophy.
- To introduce classical and modern methods of philosophical research.
- To analyze major sources, commentarial traditions, and interpretative approaches.
- To acquaint students with recent trends and interdisciplinary approaches in Indian philosophical research.

Learning Outcomes

Upon successful completion of this course the students will be able to:

- Explain the nature, scope, and significance of research in Indian Philosophy.
- Identify major sources, texts, and commentarial traditions within Indian philosophical schools.
- Formulate research questions, hypotheses, and objectives relevant to Indian philosophical thought.
- Demonstrate the ability to design a philosophical research proposal with a clear methodology and literature review.
- Evaluate the modern relevance and interdisciplinary connections of Indian Philosophy (e.g., in ethics, cognitive science, or environmental philosophy).
- Develop proficiency in academic writing, citation, and transliteration (IAST or Devanāgarī).
- Prepare well-structured research papers, book reviews, and dissertation chapters based on primary and secondary sources.
- Use digital tools, manuscript archives, and databases effectively for philosophical research.
- Demonstrate academic integrity, avoiding plagiarism and unethical research practices.
- Cultivate a research attitude grounded in intellectual honesty, rigor, and openness to diverse philosophical traditions.

Detailed Syllabus

Unit: I

Hour 11

Nature and Scope of Research in Indian Philosophy

- Meaning, nature, and objectives of research.
- The nature of philosophical inquiry in Indian tradition (Darśana as vision).
- The structure of philosophical systems: Ontology, Epistemology, and Axiology.
- Sources of Indian Philosophy: Vedas, Upaniṣads, Smṛtis, Darśanas and regional texts.
- Importance and challenges of research in Indian philosophical texts.

Unit: II**Hour 11****Research Methodology in Indian Philosophy**

- Meaning and stages of research methodology.
- Classical Indian methods of reasoning: Śruti, Yukti, Anubhava, Pratyakṣa, Anumāna, Upamāna, and Śabda.
- Hermeneutic and exegetical methods (Mīmāṃsā and Nyāya perspectives).
- Comparative and analytical methods.
- Writing research proposals, hypotheses, objectives, and review of literature.
- Use of traditional commentaries (Bhāṣya, Vṛtti, Ṭīkā, etc.) in research.

Unit: III**Hour 12****Research Tools in Indian Philosophy**

- Tools for textual study: lexicons (Amarakosha), concordances, indices, and commentaries.
- Manuscriptology: reading, transcription, and collation methods.
- Use of critical editions and philological analysis.
- Bibliographical tools: catalogues, bibliographies, and databases.
- Digital and online resources: GRETIL, SARIT, Muktabodha, Digital Corpus of Sanskrit (DCS).
- Reference management and software tools.

Unit: IV**Hour 11****Research Design, Documentation, and Publication**

- Research design and structure of a philosophical thesis Writing a research proposal: aims, hypotheses, objectives, and significance.
- Use of primary and secondary sources: Manuscripts, commentaries, and digital databases.
- Citation, transliteration (IAST), and referencing styles.
- Research ethics and academic integrity in philosophical writing.
- Critical review and publication of philosophical papers.
- Use of technology and digital tools in Indological research (digital libraries, databases, Sanskrit corpora).
- Role of conferences, journals, and digital repositories.

Tutorial Activities

- Sources and Textual Tradition
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Review & Debate Session

- writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- A training to developing an Interdisciplinary approach

Essential/Recommended Readings/Texts

Essential Readings:

1. Kothari, C.R. *Research Methodology: Methods and Techniques*.
2. Mohanty, J.N. *Reason and Tradition in Indian Thought*.
3. Sastri, Kuppaswami. *Studies in Indian Logic and Philosophy*.
4. Daya Krishna. *Indian Philosophy: A Counter Perspective*.
5. Potter, Karl H. *Encyclopedia of Indian Philosophies*.
6. Patrick Olivelle. *The Study of Indian Philosophy: Sources and Methods*.
7. APA or MLA Manual (for citation and ethics guidelines)
8. Ramachandra Rao, S.K. *Research Methodology in Indian Philosophy*
9. UGC Regulations on “Promotion of Academic Integrity and Prevention of Plagiarism (2018)”
10. Jha, V. N. *Philosophical Research: Indian Perspectives*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-6: Research Innovations in Sanskrit Poetics

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Innovations in Sanskrit Poetics	04	3	1	0	Nil	Nil

Learning Objectives

1. To understand the evolution and major trends in Sanskrit Poetics (*Alaṅkāraśāstra*) research from ancient to modern times.
2. To familiarize learners with innovative methodologies and interdisciplinary approaches applied in recent Sanskrit Poetics research.
3. To develop analytical skills for critical evaluation of traditional and modern theories of *Rasa*, *Alaṅkāra*, *Rīti*, *Dhvani*, *Vakrokti* and *Aucitya*.
4. To encourage comparative and cross-cultural studies linking Sanskrit Poetics with Western literary criticism and modern aesthetics.
5. To enable students to design and conduct innovative research projects in the field of Sanskrit literary theory.

Learning Outcomes

After completing the course, students will be able to:

1. Demonstrate comprehensive knowledge of classical and modern trends in Sanskrit Poetics.
2. Critically analyze traditional texts with reference to new theoretical frameworks.
3. Employ innovative and interdisciplinary methods in Sanskrit Poetics research.
4. Identify research gaps and propose original topics or hypotheses for future studies.
5. Prepare academically sound research papers and dissertations following current scholarly standards.

Detailed Syllabus

Unit: I

Hour 11

Foundations and Historical Trends in Sanskrit Poetics

- Origin and development of *Alaṅkāraśāstra*
- Nomenclature of poetics
- Aims of poetry
- Cause of poetry
- Definition of Poetry
- Kinds of Poetry according from Bhamaha to Panditaraja Jagannatha.

Unit: II

Hour 11

Survey of researches done on *Rasa*, *Alaṅkāra* and *Rīti* schools

Survey may Editing work, Commentaries, Translations, Independent research work, Theses, Dissertations, Research Papers and Manuscripts.

Unit: III

Hour 12

Survey of researches done on *Dhvani*, *Vakrokti* and *Aucitya* Schools.

Survey may Editing works, Commentaries, Translations, Independent research work, Theses and Dissertations, Research Papers and Manuscripts.

Unit: IV

Hour 11

Modern Research Trends in Sanskrit Poetics and Interdisciplinary Approaches

Modern reinterpretations in Sanskrit Poetics according to Brahmadanda Sharma, Revaprasad Dwivedi, Abhiraj Rajendra Mishra, Radhavallabh Tripathi, Rahasvihari Dwivedi and Harshdev Madhav.

Comparative research-based study between Sanskrit and Western Poetics specially Plato, Aristotle, Longinus, Horace, William Wordsworth, T.S. Eliot, Benedetto Croce.

Tutorial

- Survey
- Research Paper writing
- Group Discussion
- Paper presentation

Essential/Recommended Readings/Texts

Essential Readings:

1. कृष्णकुमार - अलंकारशास्त्र का इतिहास, साहित्य भण्डार, मेरठ
2. De, S.K. - History of Sanskrit Poetics, K.L. Mukhopadhyay, Calcutta
3. Kane, P.V. - History of Sanskrit Poetics, MLBD, Delhi
4. श्रीवास्तव आनन्द कुमार – आधुनिक संस्कृत काव्यशास्त्र, ईस्टर्न बुक लिंकर्स, दिल्ली
5. यादव राजमङ्गल, संस्कृत काव्यशास्त्र की अर्वाचीन परम्परा, प्रतिभा प्रकाशन, दिल्ली, 2011
6. अभिराजयशोभूषणम् – अभिराज राजेन्द्र मिश्र, वैजयन्त प्रकाशन, इलाहाबाद
7. काव्यालङ्कारकारिका, रेवाप्रसाद द्विवेदी (हिन्दी-अंग्रेजी अनुवाद), कालिदास संस्थानम्, नूतन संस्करण, वाराणसी, 2001

8. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
9. अभिनवकाव्यालङ्कारसूत्रम् (राधावल्लभ त्रिपाठी) – रमाकान्त पाण्डेय, जगदीश संस्कृत पुस्तकालय, जयपुर, 2009.
10. द्विवेदी, रहस्यविहारी – नव्यकाव्यतत्त्वमीमांसा – अक्षयवट प्रकाशन, २६ बलरामपुर हाउस, प्रयागराज, उत्तर प्रदेश – प्रथम संस्करण – २०२४

Recommended Readings/Texts

1. K. Krishnamoorthy – *Essays in Sanskrit Criticism*
2. P. V. Kane – *History of Sanskrit Poetics*
3. S. K. De – *History of Sanskrit Poetics* (Vol. I & II)
4. Raghavan, V. – *Bhoja's Śṛṅgāraprakāśa: A Study*
5. Ingalls, D. H. H. et al. – *The Dhvanyāloka of Ānandavardhana* (Harvard Oriental Series)
6. Pollock, Sheldon – *A Rasa Reader: Classical Indian Aesthetics*
7. Kapila Vatsyayan – *Classical Indian Dance in Literature and the Arts*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research in Sanskrit Poetry

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Sanskrit Poetry	04	3	1	0	Nil	Nil

Learning Objectives

1. To familiarize students with the evolution of Sanskrit Poetry and their major research trends.
2. To introduce modern methodologies and interdisciplinary approaches in research related to Sanskrit Poetry.
3. To encourage critical engagement with classical Sanskrit poetic theories (Alaṅkāra, Rīti, Dhvani, Vakrokti, Auchitya, etc.) in light of new perspectives.
4. To examine innovative research paradigms, comparative studies, and digital approaches in Sanskrit Poetics.
5. To promote the development of independent and creative research ideas in the field.

Learning Outcomes

After completing this course, students will be able to:

1. Critically analyze past and present trends in research to relate Sanskrit Poetry.
2. Identify and evaluate innovations and interdisciplinary methods applied to Sanskrit Poetry.
3. Develop well-structured research proposals using modern tools and perspectives.
4. Conduct comparative studies between Sanskrit Poetics and other literary traditions.
5. Apply digital humanities and linguistic tools in Sanskrit literary research.

Detailed Syllabus

Unit: I

Hour 11

Foundations of Sanskrit Poetry

- Survey of research done on the works of Ashvaghosa, Kalidasa, Bharavi, Magha, Shriharsa, Subandhu, Dandi and Banabhatta.

- Nature and scope of research in the works of Ashvaghosa, Kalidasa, Bharavi, Magha, Shriharsa, Subandhu, Dandi and Banabhatta.

Unit: II**Hour 11****Literary criticism of Sanskrit Poetry**

- To examine the characteristics of Mahakavya, Khandakavya, Gadyakavya, Champukavya etc. in Sanskrit poetry.
- Identification of Rasa, Alankara, Riti, Dhvani, Vakrokti and Auchitya in Sanskrit Poetry.

Unit: III**Hour 11****Traditional trends for criticism Sanskrit Poetry**

- Critical, cultural, historical, literary, grammatical, Philosophical, Dharmashastric and linguistic.

Unit: IV**Hour 12****Innovation and Interdisciplinary Approaches**

- Post-independence research trends in Sanskrit Poetry.
Nationalism, freedom, women empowerment, social justice, science and technology, environment, human values
- Influence of modern and western literary theories and aesthetics on Sanskrit Poetry.

Tutorial

- Survey
- Research Paper writing
- Group Discussion
- Paper presentation

Essential/Recommended Readings/Texts**Essential Readings:**

1. **Bharata** – *Nāṭyaśāstra* (Rasa theory)
2. **Ānandavardhana** – *Dhvanyāloka* with *Locana* commentary by Abhinavagupta
3. **Mammaṭa** – *Kāvyaprakāśa*
4. **Kuntaka** – *Vakroktijīvitā*
5. **Viśvanātha Kavirāja** – *Sāhityadarpaṇa*
6. **Jagannātha Paṇḍita** – *Rasagaṅgādhara*
7. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
8. द्विवेदी, रहस्यविहारी – नव्यकाव्यतत्त्वमीमांसा – अक्षयवट प्रकाशन, २६ बलरामपुर हाउस, प्रयागराज, उत्तर प्रदेश – प्रथम संस्करण – २०२४

Recommended Readings/Texts

1. K. Krishnamoorthy – *Essays in Sanskrit Criticism*
2. P. V. Kane – *History of Sanskrit Poetics*
3. S. K. De – *History of Sanskrit Poetics* (Vol. I & II)
4. Edwin Gerow – *Aesthetic Experience in Sanskrit Literary Theory*
5. Kapil Kapoor – *Language, Linguistics and Literature: The Indian Perspective*
6. V. K. Chari – *Sanskrit Criticism*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research Trends and Innovations in Nāṭyaśāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends and Innovations in Nāṭyaśāstra	04	3	1	0	Nil	Nil

Learning Objectives

1. To introduce students to major research traditions and emerging trends in the study of Nāṭyaśāstra and Indian dramaturgy.
2. To Develop a critical understanding of classical dramaturgical theories in the light of modern scholarship.
3. To Familiarize learners with interdisciplinary, textual, and applied research approaches in Indian dramaturgy.
4. To Encourage analytical and methodological engagement with performance-based, comparative, and contemporary interpretations of Nāṭyaśāstra.

Learning Outcomes

After completing this course, students will be able to:

1. Students will be able to Identify major research trends interpretation in Nāṭyaśāstra studies.
2. Students will critically evaluate traditional commentaries, critical editions, and modern research writings.
3. Students will apply interdisciplinary and methodological tools to the study of Sanskrit dramaturgy.
4. Students will gain the ability to Analyze contemporary theatrical and performance practices through Nāṭyaśāstric frameworks.
5. Students will demonstrate basic research aptitude, academic writing skills, and ethical awareness in dramaturgical studies.
6. Students will apply various Nāṭyaśāstric theories to analyze Rupaks and Uprupaks

Detailed Syllabus

Unit: I

Hour 11

Nature and Scope of Research in Nāṭyaśāstra

Meaning and Concept of Research

- Research as systematic and critical inquiry

- Research traditions in Śāstric studies: Indian and modern perspectives

Scope of Research in Nāṭyaśāstra

- Nāṭyaśāstra as a multidisciplinary text: aesthetics, performance, music, sociology, and culture etc.
- Major areas of research: Rasa–Bhāva theory, Abhinaya ,Dramaturgy. and plot-structure, Stagecraft and theatrical conventions etc.

Types of Research in Nāṭyaśāstra

- Text-based research (Śāstra and Rūpaka texts)
- Performance-oriented and practice-based research
- Historical, analytical, and interpretative research

Unit: II

Hour 11

Identification of Research Problems and Sources and Tools of Research

Identification of Research Problems

- Selection of research topics from Nāṭyaśāstric texts and Sanskrit dramatic literature,
- Review of previous research works on Nāṭyaśāstric texts and Sanskrit Rupakas and uparupakas.

Sources of Research

Primary Sources

- Nāṭyaśāstra and allied dramaturgical texts
- (Abhinavabhāratī, Daśarūpaka, Nāṭyadarpaṇa, Bhāvaprakāśana Sāhityadarpaṇa etc.)
- Sanskrit dramatic texts (Nāṭaka, Prakaraṇa, and other Rūpakas)
- Manuscripts and critical editions

Secondary Sources

- Commentaries and sub-commentaries
- Modern research works, journals, encyclopedias, and dissertations

Research Tools

- Dictionaries, concordances, indices, and glossaries
- Digital databases, online repositories, and manuscript archives

Unit: III

Hour 11

Manuscriptology and Textual Criticism in Nāṭyaśāstra

Manuscript Tradition of Nāṭyaśāstra

- Transmission of texts and textual variations
- Problems of interpolation, omission, and recension

Manuscript Tradition of Nāṭyaśāstra

- Collection and classification of manuscripts
- Textual criticism and evaluation of variant readings
- Establishment of an authentic and reliable text

Critical Edition of the Nāṭyaśāstra by Ramakrishna Kavi

- Manuscript base and editorial principles
- Integration of traditional scholarship and modern textual criticism
- Contribution of Ramakrishna Kavi's edition to Nāṭyaśāstra research and interpretation

Unit: IV**Hour 12****Methodology, Research Writing, and Contemporary Directions****Methodological Approaches in Dramatic and Performance Studies**

- Textual and philological methods: close reading of sūtras and kārikās
- Comparative method:
 - Nāṭyaśāstra and later dramaturgical texts
 - Sanskrit drama and modern Indian theatre
- Performance-oriented research:
 - Performance as text
 - Fieldwork, observation, and documentation
- Interdisciplinary approaches: aesthetics, anthropology, sociology, semiotics

Research Writing and Documentation

- Research design: formulation of research questions and hypotheses
- Structure of research work: chapters and methodology
- Academic writing, citation styles, referencing
- Use of transliteration and diacritical marks

Research Ethics and Contemporary Trends

- Plagiarism and academic integrity
- Ethical issues in performance and field-based research
- Contemporary research trends

Tutorial

- Doubt solving classes.
- Development of writing research paper skills in Sanskrit on Nāṭyaśāstra and dramatic literature.
- Learning to collect materials related to research studies
- Research Paper Presentation
- Analytical Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. Kothari, C.R. Research Methodology: Methods and Techniques.
2. Mohanty, J.N. Reason and Tradition in Indian Thought.
3. APA or MLA Manual (for citation and ethics guidelines)
4. Ramachandra Rao, S.K. Research Methodology in Indian Philosophy

5. UGC Regulations on "Promotion of Academic Integrity and Prevention of Plagiarism (2018)"
6. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, २०१०
7. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, २००८
8. शोधाध्ययनप्रबोधप्रविधि, रहस बिहारी द्विवेदी,
9. Bharata – Nāṭyaśāstra with Abhinavabhārati of Abhinavagupta (Critical portions relevant to Rasa, Abhinaya and Dramaturgy)
10. Ramakrishna Kavi (Ed.) – Nāṭyaśāstra (Critical Edition; manuscript-based scholarly edition)
11. Ghosh, Manomohan (Translator). The Nāṭyaśāstra: A Treatise on Hindu Dramaturgy and Histrionics.
12. Dhanañjaya – Daśarūpaka with Avaloka of Dhanika
13. Rāmacandra–Guṇacandra – Nāṭyadarpaṇa
14. Kapila Vatsyayan. Classical Indian Dance in Literature and the Arts. Sangeet Natak Akademi, 1968.
15. Kapila Vatsyayan. Bharata: The Nāṭyaśāstra. Sahitya Akademi, 1996.2023
16. Raghavan, Venkatarama .The Nāṭyaśāstra and the Indian Dramatic Tradition. The Adyar Library and Research Centre, 1978.
17. Keith, A.B. The Sanskrit Drama, Oxford University Press, 1964.
18. Theatric Aspects of Sanskrit Drama - G. K. Bhatt, Bhandarkar Research institute Pune, 1983
19. भरत मुनि, नाट्यशास्त्र अभिनवभारती सहित. सम्पादक, पारसनाथ द्विवेदी, सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2001
20. अग्रवाल, प्रभु दयाल .भरत का नाट्यशास्त्र और उसकी परंपरा. राजकमल प्रकाशन, नई दिल्ली।
21. कीथ, ए.बी. संस्कृतनाटक (अनु. उदयभानु सिंह), मोतीलाल बनारसीदास, दिल्ली, 1965.
22. राधावल्लभ त्रिपाठी.संस्कृत नाटक और रंगमंच. राष्ट्रीय संस्कृत संस्थान, नई दिल्ली।
23. राधावल्लभ त्रिपाठी.अभिनय और नाट्यशास्त्र. साहित्य अकादमी, नई दिल्ली।

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research Trends in Itihāsa-Purāṇic literature

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends in Itihāsa-Purāṇic literature	04	3	1	0	Nil	Nil

Learning Objectives

1. To introduce students to the contemporary research trends in the study of Rāmāyaṇa, Mahābhārata and Purāṇic literature.
2. To analyze the methodological innovations and interdisciplinary approaches used in current scholarship.
3. To explore comparative, critical and cultural dimensions of Itihāsa–Purāṇa studies.
4. To encourage independent research based on new theoretical perspectives, manuscripts, and digital tools.
5. To understand the evolution of interpretative traditions, regional adaptations, and modern retellings.

Learning Outcomes

By the end of the course, students will be able to:

1. Identify key areas of modern research on Rāmāyaṇa, Mahābhārata and Purāṇas.
2. Evaluate traditional and modern methodologies in Itihāsa–Purāṇa studies.
3. Apply innovative research tools such as textual criticism, comparative mythology, and digital humanities.
4. Conduct original research integrating classical and modern interpretive frameworks.
5. Appreciate the continuing cultural and philosophical relevance of these texts in modern scholarship.

Detailed Syllabus

Unit: I

Hour 11

Historical and Research Background

- Overview of Itihāsa–Purāṇa literature: origin, development, and classification.
- Traditional commentaries and interpretations.

- Historical development of research on Itihāsa–Purāṇa literature.
- Itihāsa–Purāṇa literature as a resource of Historical, Cultural, Philosophical, Epigraphical and Archaeological researches

Unit: II**Hour 11****Survey and scope in research on Rāmāyaṇa**

- Survey of researches on Rāmāyaṇa.
- Comparative studies of Vālmīki, Anand, Adhyatm and Adbhut Rāmāyaṇa.
- Interdisciplinary research scope of Rāmāyaṇa like Epigraphical, Archaeological and Historical correlations.
- Objections and solutions regarding interpolations in Rāmāyaṇa.

Unit: III**Hour 11****Survey and scope in research on Mahābhārata**

- Survey of research on Mahābhārata.
- Evolution of Mahābhārata research: critical editions and recension studies.
- Ethical, political, and philosophical dimensions of Mahābhārata in modern interpretation.
- Relevance of Mahābhārata in the present era.

Unit: IV**Hour 12****Survey and scope in research on Purāṇic Literature**

- Survey of researches on Purāṇic literature.
- Historical development of Purāṇic studies: classification and textual diversity.
- Genealogical, cosmological, and mythological research trends.
- Sociological and anthropological approaches to Purāṇic narratives.
- Innovative research on sectarian (Vaiṣṇava, Śaiva, Śākta) Purāṇas.
- Contemporary reinterpretations and global reception of Purāṇic literature.

Tutorial

- Survey
- Research Paper writing
- Group Discussion
- Paper presentation

Essential/Recommended Readings/Texts**Essential Readings:**

1. **V. S. Sukthankar et al.** – *The Critical Edition of the Mahābhārata* (Bhandarkar Oriental Research Institute)
2. **G. H. Bhatt et al.** – *The Critical Edition of the Vālmīki Rāmāyaṇa* (Baroda)
3. **Ludo Rocher** – *The Purāṇas* (A History of Indian Literature Series)

4. **V. Raghavan** – *The Great Epics of India: Character and Culture*
5. **R. N. Dandekar (ed.)** – *The Mahābhārata Reinterpreted: Essays on Its Growth and Meaning*

Recommended Readings/Texts

1. **A. A. Macdonell** – *A History of Sanskrit Literature*
2. **M. Winternitz** – *A History of Indian Literature*, Vol. I & II
3. **P. V. Kane** – *History of Dharmaśāstra* (for Purāṇic references)
4. **Sheldon Pollock (ed.)** – *Rāmāyaṇa and Political Imagination in India*
5. **Wendy Doniger** – *The Purāṇas and Hindu Mythology*
6. **A. K. Ramanujan** – *Three Hundred Rāmāyaṇas: Five Examples and Three Thoughts on Translation*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research in Sanskrit Grammar

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Sanskrit Grammar	04	3	1	0	Nil	Nil

Learning Objectives

1. To understand the historical development and major schools of Sanskrit Grammar, especially Pāṇinian and post-Pāṇinian traditions.
2. To explore contemporary research trends and methodologies applied to the study of Vyākaraṇa.
3. To examine the intersections of Sanskrit Grammar with linguistics, computational studies, and philosophy of language.
4. To encourage innovative thinking and application of modern tools and technologies in Sanskrit grammatical research.
5. To cultivate critical and analytical skills for evaluating classical grammatical texts in the light of new research paradigms.

Learning Outcomes

After completing this course, learners will be able to:

1. Demonstrate a comprehensive understanding of traditional and modern perspectives on Sanskrit Grammar.
2. Analyze current research trends, innovations, and interdisciplinary approaches in Vyākaraṇa studies.
3. Apply linguistic and digital methodologies for research in Sanskrit Grammar.
4. Develop innovative research proposals integrating classical and modern frameworks.
5. Critically assess scholarly works and contribute to contemporary discussions in the field of Sanskrit linguistics and grammar.

Detailed Syllabus

Unit: I

Hour 11

Historical and Theoretical Foundations

- Development of Sanskrit Grammar: Pre-Pāṇinian, Pāṇinian, and post-Pāṇinian stages.
- Overview of grammatical schools: Pāṇini, Kātyāyana, Patañjali, Bhartṛhari, and later commentators.

- Review of major research publications, dissertations, and projects on Sanskrit Grammar.
- Identification of research gaps and emerging areas.

Unit: II**Hour 11****Trends in Modern Research on Sanskrit Grammar**

- Post-independence developments in Vyākaraṇa studies.
- Major research contributions from Indian and international scholars.
- Analytical studies of grammatical commentaries and sub-commentaries.
- Trends in linguistic analysis: phonology, morphology, syntax, and semantics in Sanskrit.
- Application of structuralist and post-structuralist theories to Sanskrit Grammar.

Unit: III**Hour 11****Innovation and Interdisciplinary Approaches**

- Interface between Sanskrit Grammar and modern linguistics.
- Vyākaraṇa and philosophy of language—relation to cognition, logic, and communication.
- Cross-cultural linguistic studies and comparative grammar.

Unit: IV**Hour 12****Research Methodology and Future Directions**

- Techniques for critical analysis, translation, and interpretation of grammatical texts.
- Use of digital databases and tools for Sanskrit research (e.g., Sanskrit Heritage Platform, GRETIL, SARIT).
- Proposal writing and presentation of innovative research in Vyākaraṇa.

Tutorial

- Textual Analysis Workshop
- Sutra-parsing and metarules (paribhasha) Application
- Dhatu Research Assignment
- Karaka-vibhakti Field Analysis
- Seminar Presentation Themes

Essential/Recommended Readings/Texts**Essential Readings:**

1. **Pāṇini:** *Aṣṭādhyāyī* (with commentaries of Kātyāyana and Patañjali).
2. **Bhartṛhari:** *Vākyapadīya* (with commentaries of Helārāja).
3. Deshpande, Madhav. *Sanskrit and Prakrit: Sociolinguistic Issues*.
4. Cardona, George. *Pāṇini: A Survey of Research*.
5. Joshi, S.D., and Roodbergen, J.A.F. *Patañjali's Vyākaraṇa Mahābhāṣya: An Analytical Study*.

6. Kiparsky, Paul. *Paninian Linguistics and Modern Linguistic Theory*.
7. Houben, Jan E.M. *Studies in the Sanskrit Tradition of Linguistics and Grammar*.
8. Sharma, Raghunath. *Vyākaraṇa-darśana: Ek Adhyayana*.
9. Goyal, Suresh & Sharma, Kapil (Eds.). *Recent Trends in Sanskrit Grammar and Linguistics*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Research in Sanskrit Computational Linguistics

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Sanskrit Computational Linguistics	04	3	0	1	Nil	Nil

Learning Objectives

The learning objectives of research in Sanskrit Computational Linguistics are primarily a blend of applying computational methods to Sanskrit texts and leveraging the insights from traditional Pāṇinian grammar for the advancement of general linguistic theory and AI/Natural Language Processing (NLP). The fundamental objective is to develop and apply computational techniques to process and analyze the vast Sanskrit literature.

Learning Outcomes

By the end of this course, the students will be able to:

- Do the Computational Analysis of Sanskrit Texts.
- Apply the advancing linguistic theory to the SCL research.
- Building Practical Applications and Tools for Sanskrit.
- Creating digital resources for Sanskrit.

Detailed Syllabus

Unit: I

Hours: 11

Sanskrit Language Analyzer and Generator

Morphological Analyzers and Generators
Sandhi, Samamsa etc.

Machine Translation (MT)

Unit: II

Hours: 12

Optical Character Recognition (OCR)

Text Digitization and Search for Sanskrit:

Tools and techniques for creating and managing large-scale Sanskrit digital texts

Information Retrieval and Concept Mining in Sanskrit Texts

- Introduction to Information Retrieval: scope, principles, and relevance for classical Sanskrit literature.
- Basics of Concept Mining: definition, methodologies and stages
- Overview of digital Sanskrit corpora, lexical resources, and text repositories
- Data arrangement and tagging
- Role of metadata, ontology, and semantic annotation in Sanskrit e-resource
- Challenges in Information Retrieval and Concept Mining

Unit: III

Hours: 11

Speech Technology for Sanskrit

Traditional Indian Linguistics: Study of Śikṣā (phonetics) and Vyākaraṇa (grammar), including key texts and their relevance to modern computational approaches

Sanskrit Computational Phonetics and Phonology

Speech Recognition and Synthesis

Acoustic Phonetics: Understanding the physical properties of Sanskrit sounds (dhvani) and their production mechanisms (uccāraṇa).

Speech Recognition: Principles of Automatic Speech Recognition (ASR), including acoustic modeling, phonetic libraries for Sanskrit, and challenges specific to the language.

Speech Synthesis (Text-to-Speech): Techniques for building systems that can generate natural-sounding Sanskrit speech from text input.

Unit: IV

Hours: 11

AI, Chatbot and Sanskrit:

Exploring the applicability of Sanskrit grammar to contemporary artificial intelligence (AI) and natural language processing (NLP) models, a topic of significant recent discussion.

Chatbot Tool for Sanskrit Shashtras

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts

Essential Readings:

1. <https://www.tutorialspoint.com/python>
2. <https://www.w3schools.com/python/>
3. <https://docs.python.org/3/tutorial/index.html>
4. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
5. <https://www.javatpoint.com/python-tutorial>
6. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
7. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.

8. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
9. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
10. Aamer Y. Khan, Python Programming Language with Python Project, Code Academy, 2024
11. Mehto, D. (Ed.). (2015). *Pāṇinīya-Śikṣā: Vistrit Śodhpūrṇa Hindi Vyākhyā*. Motilal Banarsidass. ISBN 978-8120823853
12. Ghosh, M. (1938). *Paniniya Shiksha (or the Siksha-Vedanga ascribed to Pāṇini): Critically edited in all its five recensions with an introduction, translation & notes together with its two commentaries*. University of Calcutta Press.
13. Śāstrī, B. S. (2017). *Laghu Siddhānta Kaumudī – Bhaimi Vyākhyā* (Set of 6 vols.). Delhi: Bhaimi Prākāśan.
14. Allen, W. Sidney. *Phonetics in Ancient India*. Oxford UP, 1973.
15. Bhat, D. N. S. *Indian Linguistic Studies*. Motilal Banarsidass, 1999.
16. Cardona, George. *Panini: His Work and Its Traditions*. Motilal Banarsidass, 1997.
17. Deshpande, Madhav M. *Sanskrit and Prakrit: Sociolinguistic Issues*. Motilal Banarsidass, 1993.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Phonetics and Speech Technology Research

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Phonetics and Speech Technology Research	04	3	0	1	Nil	Nil

Learning Objectives

The course aims to provide a comprehensive understanding of the scientific study of speech sounds and their practical applications in modern technology. Students will learn about the production, transmission, and perception of speech sounds, with a focus on articulatory, acoustic, and auditory phonetics. The course emphasizes the integration of phonetic principles into speech recognition, synthesis, and processing technologies. It also explores speech disorders, language acquisition, and multilingual speech systems. By the end of the course, students will develop skills to analyze speech patterns, apply phonetic knowledge to develop speech technologies, and address challenges in human-computer interaction.

Learning outcomes

By the end of this course, students will:

1. Acquire comprehensive understanding of Sanskrit phonetics as a foundation for speech sound analysis.
2. Explore the theoretical and practical aspects of speech processing.
3. Gain useful insights to analyze, synthesize, and process speech signals..
4. Have hands-on experience of cutting edge speech technologies in Indian languages.
5. Be able to contribute to the development of speech technology systems in Indian languages.

Detailed Syllabus

Unit: I

Hour 11

Basics of Sanskrit Phonetics and Human Speech Production

- Process of Speech Production in human beings.
- Places and Manner of Articulation of Speech sounds.
- Comparative Phonetics in Indo-European languages.
- Articulatory and Acoustic Sanskrit Phonetics.
- Division of Speech Sounds and Phonetic Variations in Sanskrit language.
- Sanskrit Phonetics and
- Speech Processing.

Unit: II

Hour 12

Fundamentals of Digital Speech Processing

- Basics of Speech Signal.
- Digitization of Speech.
- Speech Features and Representations.
- Speech Segmentation and Phoneme Recognition.
- Speech Signal Processing Techniques.

Unit: III

Hour 11

Applications of Digital Speech Processing

- Text-to-Speech Synthesis.
- Automatic Speech Recognition.
- Automatic Speaker Recognition.
- Speech Based Translation systems: Speech-to-Text, Text-to-Speech, Speech-to-Speech.
- Video Subtitles/Captions.

Unit: IV

Hour 11

Speech Technologies in Indian Languages

- Speech Technology in Indian Context: Linguistic Diversity, Data Scarcity, Regional Accents and Dialects, Code-Switching, etc.
- Key contributors in developing Speech Technologies: Academia and Industry
- Survey of Major Applications of Speech Technology in Indian Languages.
- Future Trends and Innovations in Speech Technology

Practical

1. Speech Corpora Creation
2. Speech Segmentation Task
3. TTS survey
4. ASR Survey

Essential/Recommended Readings/Texts

1. Subhash Chandra (2021). भाषासंगणन (Language Computing), Upasana Publications, New Delhi, India, ISBN: 978-93-87677-05-0.
2. Subhash Chandra (2017). मशीनी अनुवाद (Machine Translation) यूजीसी सीबीसीएस स्क्रीम के तहत बीए (संस्कृत) के एईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित. Vidya Nidhi Prakashana, New Delhi, India, ISBN 978-93-85539-52
3. Mehto, D. (Ed.). (2015). Pāṇinīya-Śikṣā: Vistrit Śodhpūrṇa Hindi Vyākhyā. Motilal Banarsidass. ISBN 978-8120823853
4. Ghosh, M. (1938). Paniniya Shiksha (or the Siksha-Vedanga ascribed to Pāṇini): Critically edited in all its five recensions with an introduction, translation & notes together with its two commentaries. University of Calcutta Press.
5. Śāstrī, B. S. (2017). Laghu Siddhānta Kaumudī – Bhaimi Vyākhyā (Set of 6 vols.). Delhi: Bhaimi Prākāśan.
6. Allen, W. Sidney. Phonetics in Ancient India. Oxford UP, 1973.

7. Bhat, D. N. S. Indian Linguistic Studies. Motilal Banarsidass, 1999.
8. Cardona, George. Panini: His Work and Its Traditions. Motilal Banarsidass, 1997.
9. Deshpande, Madhav M. Sanskrit and Prakrit: Sociolinguistic Issues. Motilal Banarsidass, 1993.
10. Ladefoged, Peter, and Keith Johnson. A Course in Phonetics. 7th ed., Cengage Learning, 2014.
11. Catford, J. C. A Practical Introduction to Phonetics. 2nd ed., Oxford UP, 2001.
12. Clark, John, Colin Yallop, and Janet Fletcher. An Introduction to Phonetics and Phonology. 3rd ed., Wiley-Blackwell, 2007.
13. Rabiner, Lawrence, and Ronald W. Schafer. Theory and Applications of Digital Speech Processing. Pearson, 2011.
14. O'Shaughnessy, Douglas. Speech Communications: Human and Machine. 2nd ed., Universities Press, 2000.
15. Quatieri, Thomas F. Discrete-Time Speech Signal Processing: Principles and Practice. Prentice Hall, 2002.
16. Jurafsky, Daniel, and James H. Martin. Speech and Language Processing. 3rd ed. draft, 2023.
17. Huang, Xuedong, Alex Acero, and Hsiao-Wuen Hon. Spoken Language Processing. Prentice Hall, 2001.
18. Taylor, Paul. Text-to-Speech Synthesis. Cambridge UP, 2009.
19. Kumar, A., and V. Natarajan. Speech Technology for Indian Languages. Springer, 2015.
20. Sinha, R., editor. Language Technology for Indian Languages. Springer, 2013.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research Trends in Dharmaśāstras

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends in Dharmaśāstras	04	3	1	0	Nil	Nil

Learning Objectives

This paper introduces students to the major trends in research on *Dharmaśāstra* literature, covering textual criticism, historical development, comparative jurisprudence, and socio-ethical interpretation. It emphasizes the evolution of dharma as a legal, moral, and philosophical concept, exploring both classical sources and contemporary scholarship.

Learning Outcomes

By the end of this course the students will be able to:

- **Analyze research trends and methodologies** applied to Dharmaśāstra studies in both traditional and modern academic contexts.
- **Interpret Dharmaśāstric concepts** such as *Dharma*, *Vyavahāra*, *Ācāra*, and *Prāyaścitta* in relation to contemporary social, ethical, and legal frameworks.
- **Employ comparative and interdisciplinary approaches** linking Dharmaśāstra with jurisprudence, sociology, and gender studies.
- **Develop independent research proposals** demonstrating textual, analytical, and interpretative skills grounded in primary sources.

Detailed Syllabus

Unit: I

Hours: 11

Introduction to Research Approaches in Dharmaśāstra

Understanding Dharmaśāstra as a Research Field
Nature and Sources of Dharmaśāstra Research
Relevance of Dharmaśāstra research in the modern academic and interdisciplinary context: legal, ethical, and social thought.

Unit: II**Hours: 12****Modern Research Approaches and Methodologies**

Historical Approach: Tracing the evolution of Dharmaśāstric thought and institutions.

Philological Approach: Studying language, textual variants, and commentarial traditions.

Comparative Approach: Comparing Dharmaśāstra with Western jurisprudence and ethics.

Sociological Approach: Examining social customs, duties, and legal practices in context.

Hermeneutic Approach: Interpreting Dharmaśāstra as a system of moral reasoning and meaning.

Unit: III**Hours: 11****Thematic Research Areas in Dharmaśāstras**

Jurisprudence: Concepts of justice (Nyāya), punishment (Daṇḍa), and evidence (Pramāṇa)

Sociology: Social order and Institutes (Varṇāśrama-dharma)

Labour studies

Women, inheritance, and family law in Dharmaśāstra research

Environmental and ecological dharma in recent studies

Intersections of Dharmaśāstra with Arthaśāstra and Nītiśāstra

Unit: IV**Hours: 11****Contemporary Trends, and Interdisciplinary Approaches**

Dharmaśāstra in modern legal and ethical discourse

Dharmaśāstra in labour and policy discourse

Comparative study of Dharmaśāstra and Western legal systems

Relevance of Dharmaśāstra in Indian Constitution and customary law

Dharmaśāstra and sociology: social control, justice, and reform

Emerging research: gender, caste, and reform movements

Computational Linguistics: digital archiving, indexing, mining, TTS, lexicography

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. Kane, P.V. *History of Dharmaśāstra*, Vols. I–V.
2. Lingat, Robert. *The Classical Law of India*.
3. Olivelle, Patrick. *Manu's Code of Law: A Critical Edition and Translation*.
4. Lariviere, Richard. *The Nāradaśmṛiti: Translation and Study*.
5. Bühler, Georg. *The Laws of Manu*.
6. Rocher, Ludo. *Studies in Hindu Law and Dharmaśāstra*.
7. Werner Menski. *Hindu Law: Beyond Tradition and Modernity*.
8. Pandurang Vaman Kane. *Dharmaśāstra kā Itihāsa*.

9. Patrick Olivelle & Donald Davis (Eds.). *Hindu Law: A New History of Dharmaśāstra*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Trends and Innovations in Indian Epigraphy

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Trends and Innovations in Indian Epigraphy	04	3	1	0	Nil	Nil

Learning Objectives

This paper aims to introduce students to the major research studies in Indian epigraphy, with a particular focus on Sanskrit inscriptions. It seeks to familiarize them with the evolution of epigraphical research, tracing its development from early explorations to contemporary scholarly trends. The course examines how inscriptions and coins have been employed as primary sources in historical and socio-cultural studies, shedding light on various aspects of India's past. Furthermore, it enables students to critically evaluate published research, assess methodological approaches and identify existing gaps to inspire meaningful and innovative future research in the field of Indian epigraphy.

Learning Outcomes

By the end of the course, students will be able to:

- Survey and categorize major research work in Sanskrit epigraphy across India.
- Analyze the contributions of epigraphical studies to understanding history, literature and society.
- Identify methodological approaches used in research.
- Critically assess research publications and develop skills for independent research projects.
- Appreciate the importance of documentation and interdisciplinary approaches.

Unit-wise Syllabus

Unit I: Introduction to Epigraphical Research

11 hours

- Definition and its scope.
- History of epigraphical research.
- Formulating research questions and objectives.
- Identifying primary and secondary sources.

Unit II: Trends of Regional Dynasties **11 hours**

- Methods of collecting inscriptions and coins.
- Fieldwork and site survey.
- Conservation and handling of damaged inscriptions and coins.
- Contribution of various Indologists.

Unit III: Different Research Approaches **11 hours**

- Paleographical studies.
- Contextual interpretation.
- Comparative analysis of various languages.
- Critical review of editions and secondary sources.

Unit IV: Contemporary Trends in Research **12 hours**

- Editing and publishing of inscriptions and coins.
- Interdisciplinary approaches between Epigraphy and Numismatics.

Tutorial Activities

- Field based observational activity.
- Comparative study.
- Writing assignments.
- Learning to collect materials based on the research studies. .
- Transcription practice of inscriptions
- Reading and review of research articles.

Essential/Recommended Readings/Texts

Essential Readings:

1. Altekar, A. S. The Coinage of the Gupta Empire.
2. Annual reports of the Archaeological Survey of India.
3. Dani, Ahmad Hasan. Indian Palaeography. 2 vols., 1963–1966.
4. Different volumes of Epigraphia Indica.
5. Gopinath, R. Sanskrit Epigraphy in India: Trends and Perspectives. Journal of Indological Studies, 2022.
6. Mahajan, V. D. Ancient Indian Coins.
7. Salomon, Richard. Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit and Other Indo-Aryan Languages. Oxford University Press, 1998.
8. Sircar, D.C. Indian Epigraphy. Motilal Banarsidass, Delhi, 1965.
9. Sircar, D. C. Studies in Indian Coins.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Research Trends and Survey in Indian Manuscriptology

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends and Survey in Indian Manuscriptology	04	3	1	0	Nil	Nil

Learning Objectives

This course introduces students to Indian manuscriptology and explains why manuscripts are important for preserving our literary, philosophical and religious heritage. It gives a basic overview of how scholars study manuscripts and the main research trends in this field. Students learn how manuscripts help us understand history, language, literature and cultural aspects. The course also encourages them to read manuscript catalogues, edited texts and research articles so that they can understand manuscripts in a simple and clear way.

Learning Outcomes

After completing the course, students will be able to:

- Identify major manuscript repositories in India and abroad and understand their cataloguing systems.
- Recognize important manuscripts in Sanskrit and other Indian languages.
- Analyze manuscripts for palaeographic approaches.
- Survey the evolution of research methodologies in manuscript studies.
- Critically evaluate published research and identify areas for future study.

Unit-wise Syllabus

Unit I: Introduction to Indian Manuscriptology

12 Hours

Definition and its significance.

Types of manuscripts.

Material diversity in Indian manuscripts.

Overview of major manuscript repositories.

Unit II: Historical Development

11 Hours

Study of research traditions.
Contributions of scholars.
Survey of catalogues and critical editions.
Evolution of textual criticism and palaeographical studies.

Unit III: Various Research Approaches	11 Hours
Paleographical research. Thematic studies. Relationship between epigraphy, numismatics and manuscriptology. Digital tools and databases.	

Unit IV: Contemporary Trends	11 Hours
Script evolution and its impact on Manuscriptology. Interdisciplinary approaches between Manuscriptology and Palaeography. Ethical issues. Survey of recent journals and periodicals.	

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts
Essential Readings:

1. Pandit Haraprasad Shastri, Bibliotheca Indica Series.
2. Sharma, R. C. Indian Manuscripts: A Survey. New Delhi: Vishveshvaranand Institute, 1980.
3. Katre, S.M. Introduction to Sanskrit Manuscripts. 1963.
4. Chattopadhyaya, Debiprasad. Manuscripts and Their Research. 1975.
5. Mukherjee, Sujit. The Idea of Sanskrit Manuscript Studies in India. 1986.
6. A.B. Keith, The Sanskrit Manuscripts of the Asiatic Society of Bengal.
7. Rao, P. V. Preservation and Conservation of Indian Manuscripts. 2000.
8. Pandey, R. Digitization and Manuscriptology: New Trends. 2018.
9. Sircar, D. C. Indian Epigraphy.
10. Ojha, G. H. Bharatiya Palaeography (Bharatiya Lipimala).
11. Goyal, S. R. A History of Indian Palaeography.
12. Pandey, Rajbali. Indian Palaeography.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Research Methodology in Jyotish Śāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Methodology in Jyotish Śāstra	04	3	1	0	Nil	Nil

Learning Objectives

1. To understand the fundamental principles and scope of research in Jyotish Śāstra.
2. To develop methodological skills for conducting authentic and systematic research in traditional and modern contexts of Jyotish Śāstra.
3. To explore interdisciplinary approaches linking Jyotish with astronomy, mathematics, psychology and cultural studies.
4. To train students in source analysis, data collection and hypothesis formulation based on classical Jyotish Śāstra texts.
5. To encourage innovative research integrating traditional Jyotiṣa knowledge with contemporary scientific methods and technologies.

Learning Outcomes

After completing the course, students will be able to:

- Identify and apply suitable research methodologies in the study of Jyotish Śāstra.
- Critically analyze primary sources such as Bṛhat Parāśara Horā Śāstra, Sūrya Siddhānta, and Jātaka Pārijāta etc.
- Formulate research questions and hypotheses relevant to the field of Jyotish.
- Employ qualitative and quantitative tools to interpret astrological data.
- Produce scholarly research papers adhering to academic standards in Jyotish research.
- Integrate modern scientific tools (software, statistical analysis, digital archives) into Jyotish-based studies.

Unit-wise Syllabus

Unit I: Fundamentals of Research in Jyotish Śāstra

12 Hours

Nature, scope and purpose of research in Jyotish Śāstra.

Types of research as textual, analytical, comparative etc. in Jyotish Śāstra.

Importance of interdisciplinary studies with Jyotish Śāstra to another subject.
Defining problems, objectives and hypotheses in Jyotish research.

Unit II: Sources and Tools of Research in Jyotish Śāstra

11 Hours

Primary sources: Vedāṅga Jyotiṣa, Bṛhat Parāśara Horā Śāstra, Sūrya Siddhānta, Jātaka Pārijāta, Phaladīpikā.

Secondary sources: commentaries, modern research papers and digital repositories.

Data collection methods: horoscopes, astronomical charts and regional case studies.

Use of software and computational tools in astrological research.

Citation methods and referencing in Jyotish Śāstra research and modern research formats.

Unit III: Methodological Approaches

11 Hours

Textual criticism and hermeneutics in Jyotish Śāstra texts.

Comparative and historical research methods in Jyotish Śāstra.

Quantitative and qualitative analysis in astrological research.

Correlation of planetary configurations with empirical data.

Ethics, authenticity and accuracy in Jyotish research.

Unit IV: Modern Trends and Innovation in Jyotish Research

11 Hours

Integration of Jyotish Śāstra with modern sciences.

Contemporary research themes: medical astrology, meteorological astrology and socio-cultural astrology etc.

Digital humanities and Jyotish databases.

Research paper writing, documentation, and publication standards.

Future directions and challenges in Jyotish Śāstra research.

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts

Essential Readings:

1. भारतीय ज्योतिषशास्त्र का इतिहास-गोरखप्रसाद, हिन्दी संस्थान, लखनऊ, 1974
2. भारतीय ज्योतिषशास्त्र का इतिहास-नेमिचंद्रशास्त्री, भारतीयज्ञानपीठ, नई दिल्ली, 1970
3. भारतीय ज्योतिषशास्त्र का इतिहास- शंकर बालकृष्ण दीक्षित (अनु.), शिवनाथ झारखण्डी, हिन्दी संस्थान, लखनऊ, 1975
4. बृहद्वास्तुमाला, रामनिहोरद्विवेदी द्वारा संगृहीत तथा हिन्दी भाषा में अनूदिता ब्रह्मानन्द ऽप - त्रिपाठी द्वारा संशोधित व सम्पादित चौखम्बा सुरभारती प्रकाशन, वाराणसी 1987
5. बृहत्संहिता, व्याख्याकार, श्री अच्युतानन्द झा, चौखम्बा विद्याभवन, वाराणसी 1983
6. शुक्ल, द्विजेन्द्रनाथ, भारतीय वास्तुशास्त्र और प्रतिमा विज्ञान, लखनऊ 1967
7. चतुर्वेदी, शुक्लदेव भारतीय वास्तुशास्त्र - वर्तमान सन्दर्भ में समग्र परिशीलन श्री लालबहादुरशास्त्री राष्ट्रीय संस्कृत विद्यापीठ ग्रन्थमाला, पुष्प-६६, नई दिल्ली 2004
8. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, 2010
9. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, 2008
10. History of Indian Astronomy - Sankar Balkrishna Dikshit, Government of India Book Dept, Calcutta, 1981

11. Brhāt Samhitā Varāhamihir, (in two vols.) Edited with English Translation by M. Ramakrishna Bhat, Motilal Banarasidass, Delhi, 1995
12. Shukla, D.N. Vāstu-śāstra, Hindu Science of Architecture (in two vols.), Shukla Printing Press, Lucknow, 1960
13. UGC Regulations on "Promotion of Academic Integrity and Prevention of Plagiarism (2018)"

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Vedabhāṣyabhūmikā & Bṛhaddevatā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vedabhāṣyabhūmikā & Bṛhaddevatā	04	3	1	0	Nil	Nil

Learning Objectives

The course intends to provide the learners with an insight upon the tradition of Vedic interpretation. It will develop understanding about style of interpretation in ancient as well as modern periods. Learners will study Sāyaṇa's Ṛgveda Bhāṣya Bhūmikā and the Ṛgvedādi Bhāṣya Bhūmikā of Swāmī Dayānanda. The course will also develop an understanding of Śaunakīya Bṛhaddevatā and provide an opportunity to develop a comprehensive understanding of the selected kārīkās of Śaunakīya Bṛhaddevatā.

Learning outcomes

After completion of this course, the students will:

- tell names of Vedic commentators of ancient as well as modern times.
- compare and contrast the style as well as methodology of commentaries in ancient and modern time.
- explain the key concepts of Sāyaṇa's and Swāmī Dayānanda's Ṛgvedādi Bhāṣya Bhūmikā.
- express views about devatā, its types, characteristics and intonation on the basis of Shounaka's Brihaddevata.

Detailed Syllabus

Unit: I

Ṛgvedabhāṣyabhūmika (Sāyaṇa) - Vedāpauruṣeṣasiddhi Paryanta)

Hour 11

Unit: II

From Āpauruṣeṣasiddhi to the end of the text.

Hour 11

Unit: III

Ṛgvedādi bhāṣyabhūmikā (Dayānanda) – Vedotpatti, Veda-nityatva-vicāra, Veda-viśaya and Veda-saṃjñā.

Hour 11

Unit: IV

Bṛhaddevatā, Prathama Adhyāya (1-21, 42-45, 66-70 91-100)

Hour 12

Tutorial Activities

1. Doubt solving classes
2. Development of writing and reading skills in Sanskrit.
3. Learning to interpret Vedic words and mantras according to Sayana.
4. Developing the skill to compare the mantras with interpretations of other commentators.
5. Learning to recognize Vaidika Devata in mantras and other Vedic texts

Essential/Recommended Readings/Texts

1. ऋग्वेदभाष्यभूमिका, व्याख्याकार, पं. श्री जगन्नाथ पाठक, चौखम्बा विद्याभवन, वाराणसी, २०१३
2. ऋग्वेदादिभाष्यभूमिका, स्वामी दयानन्द सरस्वती, सम्पादक, स्वामी सम्पूर्णानन्द सरस्वती, सिद्ध योग पीठ ट्रस्ट, जी. टी. रोड, पिपली, कुरुक्षेत्र, हरियाणा, २००८
3. बृहदेवता, रामकुमार राय, चौखम्बा संस्कृत संस्थान, वाराणसी, 2009.

Additional Readings :

1. ऋग्वेदसंहिता (सायणभाष्यसंहिता), भाग 1-4, राष्ट्रिय संस्कृत संस्थान, नई दिल्ली।
2. ऋग्वेद, सायण-भाष्य-सहित, भाग 1-5 (प्र. सम्पादक), नारायणशर्मासोनटक्के, वैदिकसंशोधनमंडल, पूना, 1933-51.
3. ऋग्वेदसंहिता - (सम्पादक) श्रीपाददामोदरसातवलेकर, वैदिकस्वाध्यायमंडल, पारडी, 1936.
4. ऋग्वेदसंहिता - वेंकटमाधवभाष्यसहित, (सम्पादक) लक्ष्मणसरूप, लाहौर, 1939.
5. ऋग्वेदसंहिता – स्कन्दस्वामी तथा वेंकटमाधवाचार्यभाष्यसहित, त्रिवेन्द्रम्संस्कृतसीरीज, त्रिवेन्द्रम्, 1942.
6. ऋग्वेदसंहिता - (अनुवादक) पं. जयदेवशर्मा, अजमेर, 1935 (सम्पूर्ण)।
7. ऋग्वेदसंहिता - (सम्पूर्ण) (अनुवादक) पं. दामोदरसातवलेकर, पारडी, 1947-52.
8. ऋग्वेदसंहिता - (अनुवादक) जियालालकाम्बोज, विद्यानिधिप्रकाशन, दिल्ली, 2005
9. Rgveda (Translated by) Griffith, Chaukhamba Sanskrit Series, Varanasi, 1920.
10. Rgveda Mandala VII - H.D. Velankar, Bharatiya Vidya Bhavan, Bombay, 1963.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Viśiṣṭādvaita Vedānta

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Viśiṣṭādvaita Vedānta	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with an in-depth understanding of the metaphysical and epistemological theories formulated by the Vishishtadvaita tradition. Through the study of Vedārthsangraha and Siddhi Trayam, the course aims to develop critical knowledge of the core principles and categories of this philosophical school.

Learning outcomes

Upon completing this course, students will:

1. Develop an understanding of Realism in the Indian philosophical context.
2. Gain extensive knowledge of Vishishtadvaita categories.
3. Acquire fundamental insights into other philosophical positions concerning the categories endorsed by the Vishishtadvaita tradition.
4. Appreciate and differentiate the diverse perspectives and debates within the Vishishtadvaita tradition.

Detailed Syllabus

Unit: I

Hour 11

Vedārtha Saṃgraha (selected topics from Maṅgalācaraṇa to Tatvamasi śruti nirūpaṇa)

Invocation, Nature of Soul, Nature of God, Formulation of Śaṅkarācārya's opinion, Formulation of Bhāskarācārya's opinion, Formulation of Yādavprakāścārya's opinion, Resolution of śaṅkarācārya's opinion, Uddālaka-śvetaketu dialogue, Dual causality of Sad Brahma, Meaning of Nāmarūpa vyākaraṇa Śruti, Meaning of Tatvamasi Śruti.

Unit: II

Hour 11

Vedārtha Saṃgraha (selected topics from coordination of meaning of bhedābheda Śruti to formulation of Salvation material)

Coordination of the meaning of bhedābheda Śruti, support of the viśeṣaṇatva of matter, coordination of sarvaviññāna pledge, Causality of God, Omniscient ability of Brahma, Reason of the world of living beings, Means of salvation.

Unit: III

Siddhitraya
Īśvarasiddhi

Hour 11**Unit: IV**

Siddhitraya
Samvitasiddhi

Hour 12**Tutorial Activities**

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. सिद्धित्रयम्, (व्या.) स्वामी दामोदर प्रपन्नाचार्य, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 1961
2. वेदार्थसंग्रह, (व्या.) नीलमेघाचार्य, आचार्यपीठ, बरेली, 1961
3. Vedartha Sangraha. (Tr.) M. R. Rajgopala Ayyangar, The Cauveri Colour Press, Kumbakonam, 1956
4. Vedartha Sangraha. (Tr.) S. S. Raghvachar, Sri Ramkrishna Ashram, Mysore, 1978

Additional Resources

1. त्रिभुवनदास, स्वामी. विशिष्टाद्वैत वेदान्त का विस्तृत विवेचन. चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली, 2013
2. उपाध्याय, बलदेव. संस्कृत वाङ्मय का बृहद इतिहास: वेदान्त खण्ड. उत्तर प्रदेश संस्कृत संस्थान, लखनऊ, 1996
3. शर्मा, चन्द्रधर. भारतीय दर्शन: आलोचन और अनुशीलन. मोतीलाल बनारसीदास, दिल्ली, 2004.
4. Paramahansa, K. R. *Vishishtadvaita (A Philosophy of Religion)*, Tirumala Tirupati Devasthanam, Tirupati, 2010
5. Dasgupta, S. N. *History of Indian Philosophy*. Vols. I–V, Motilal Banarsidass, Delhi, 1975.
6. Radhakrishnan, S. *Indian Philosophy*. Vols. I–II, George Allen & Unwin, London, 1933.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Mādhyamikakārikā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Mādhyamikakārikā	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with an in-depth understanding of the metaphysical and epistemological theories formulated by Buddhist philosophy. Through the study of Mādhyamika Kārikā, the course aims to develop critical knowledge of the core principles and categories of this philosophical school.

Learning outcomes

Upon completing this course, students will:

1. Develop an understanding of Idealism in the Indian philosophical context.
2. Gain extensive knowledge of Buddhist categories.
3. Acquire fundamental insights into other philosophical positions concerning the categories endorsed by the Buddhist tradition.
4. Appreciate and differentiate the diverse perspectives and debates within the Buddhist tradition.

Detailed Syllabus

Unit: I **Hour 11**

First Prakaraṇa - Pratyaya Parīkṣā

Unit: II **Hour 11**

Sixteenth Prakaraṇa - Bandhamokṣa Parīkṣā

Unit: III **Hour 11**

Eighteenth Prakaraṇa - Ātma Parīkṣā

Unit: IV **Hour 12**

Twenty Fourth Prakaraṇa - Āryasatya Parīkṣā

Tutorial Activities

- Textual Reading & Explanation

- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. मध्यमकशास्त्रम्, (सं.) पी. एल. वैद्य, मिथिला विद्यापीठ, दरभंगा, 1960
2. Mula Madhyamaka Karika, (Ed.) H. Chatterjee. Firma K. L. Mukhopadhyay, Calcutta, 1962.

Additional Resources

1. शर्मा, चन्द्रधर. भारतीय दर्शन: आलोचन और अनुशीलन. मोतीलाल बनारसीदास, दिल्ली, 2004.
2. नरेन्द्रदेव, आचार्य. बौद्ध धर्म-दर्शन. मोतीलाल बनारसीदास, दिल्ली, 2015
3. उपाध्याय, बलदेव. बौद्ध दर्शन. शारदा मन्दिर, बनारस, 1946
4. पाण्डेय, गोविन्द चन्द्र. न्यायबिन्दु. दर्शन प्रतिष्ठान, जयपुर, 1972
5. Dasgupta, S. N. *History of Indian Philosophy*. Vols. I–V, Motilal Banarsidass, Delhi, 1975.
6. Radhakrishnan, S. *Indian Philosophy*. Vols. I–II, George Allen & Unwin, London, 1933.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Stotrakāvya**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Stotrakāvya	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to give the students glimpses of the Stotrakāvya in Sanskrit literary tradition through the reading of four very important compositions of Mayūra, Śaṅkarācārya, Utpaladeva and Mānatuṅga.

Learning outcomes

After completion of this course the students:

- will be able to appreciate the historical, aesthetical, social, political, cultural, etc. values expressed in prescribed compositions.
- Will understand the structural patterns of ancient Sanskrit Stotrakāvya.
- Will be able to know the history of ancient India.
- Will be familiar with the individual styles of the four of the greatest of Sanskrit poets.

Detailed Syllabus

Unit: I सूर्यशतक – मयूर	Hour 11
Unit: II सौन्दर्यलहरी – शङ्कराचार्य	Hour 11
Unit: III शिवस्तोत्रावली – उत्पलदेव	Hour 11
Unit: IV भक्तमरस्तोत्र – मानतुङ्ग	Hour 12

Tutorial Activities

- Pronunciation Practice
- Thematic Study Sessions
- Group Discussion
- Musical Recitation and Performance

Essential/Recommended Readings/Texts**Essential Readings:**

1. सूर्यशतक (मयूर) – त्रिभुवन पाल, मोतीलाल बनारसीदास, दिल्ली, 1983
2. सूर्यशतक (मयूर) – परब काशीनाथ पाण्डुरंग तथा पणशीकर वासुदेव लक्ष्मणशास्त्री, निर्णय सागर प्रेस, मुम्बई
3. सौन्दर्यलहरी (शङ्कराचार्य) – हरिहर प्रसाद त्रिपाठी, चौखम्बा संस्कृत सीरीज आफिस, वाराणसी.
4. सौन्दर्यलहरी (शङ्कराचार्य) – स्वामी सदानन्द सरस्वती, शारदापीठ प्रकाशन, द्वारका.
5. शिवस्तोत्रावली (उत्पलदेव) – राजानक लक्ष्मण, चौखम्बा संस्कृत सीरीज आफिस, वाराणसी, 1964
6. भक्तामरस्तोत्र (मानतुङ्ग) – भावानुवाद – श्रमणाचार्य विभवसागर महाराज, सम्पादन – आर्यका अर्ह श्री माताजी।

Additional Resources:

1. शर्मा उमा शंकर 'ऋषि' – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
2. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
3. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Abhinavakāvyaṭāṅkārasūtram**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Abhinavakāvyaṭāṅkārasūtram	04	3	1	0	Nil	Nil

Learning Objectives

The course seeks to introduce contemporary theories on Sanskrit poetics, dealing with traditional and modern questions. It seeks to show how Sanskrit poetics is a living tradition.

Learning outcomes

After completion of this course the students:

- Will have an understanding of the new approach in the realm of Sanskrit Poetics;
- Will acquire knowledge of the different dimensions of poetry i.e. effects (Prayojana), cause (Hetu), definition (Lakshana) etc. through the reading of the texts of Abhinavakāvyaṭāṅkārasūtram of Radhavallabha Tripathi.
- Will become aware of new concept of Alaṅkāra as soul of Poetry.
- will be able to compare modern and ancient thoughts of poetics.
- will gain the ability to explain and critically analyze the prescribed texts.

Detailed Syllabus

Unit: I प्रथम अधिकरण – अध्याय 1–2	Hour 11
Unit: II प्रथम अधिकरण – अध्याय 4–6	Hour 11
Unit: III द्वितीय अधिकरण – अध्याय 1–4	Hour 11
Unit: IV तृतीय अधिकरण	Hour 12

Tutorial Activities

- Chanting Workshop
- Poetic Devices Identification Exercise
- Group Discussion: The Role of Emotion and Devotion in Poetry

- Performance and Recitation Session

Essential/Recommended Readings/Texts

Essential Readings:

1. अभिनवकाव्यालङ्कारसूत्रम् (राधावल्लभ त्रिपाठी) – रमाकान्त पाण्डेय, जगदीश संस्कृत पुस्तकालय, जयपुर, 2009.

Additional Resources:

1. द्विवेदी, रेवा प्रसाद, भारतीय काव्यसमीक्षा में अलङ्कार सिद्धान्त, मेकमिलन एण्ड कम्पनी, दिल्ली, 1980
2. द्विवेदी, रेवा प्रसाद, संस्कृत काव्यशास्त्र का आलोचनात्मक इतिहास, कालिदास संस्थान, वाराणसी, 2007
3. द्विवेदी, रहस्यबिहारी, साहित्यविमर्शः, सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2002
4. नान्दी, टी.एस., सहृदयालोकलोचन, एल. डी. इंस्टीट्यूट ऑफ इंडोलॉजी, अहमदाबाद, 2005
5. पाण्डेय, रमाकान्त, आधुनिकसंस्कृतकाव्यशास्त्रसमीक्षणम्, जगदीश संस्कृत पुस्तकालय, जयपुर, 2009
6. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
7. यादव राजमङ्गल, संस्कृत काव्यशास्त्र की अर्वाचीन परम्परा, प्रतिभा प्रकाशन, दिल्ली, 2011

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Vyaktiviveka**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical /Practice		
Vyaktiviveka	04	3	1	0	Nil	Nil

Learning Objectives

Vyaktiviveka of Mahimabhaṭṭa is an important text in Sanskrit poetics. The purpose of this course is to introduce the learners with the different dimensions opposed to Dhvani. The Rasa can achieve through Anumāna will also be focused in this course with examples.

Learning outcomes

Upon Successful completion of this course students:

- will form a deep understanding of the fundamental terminologies of kavya as presented by Mahimabhaṭṭa.
- will acquire an in-depth knowledge of the theory of oppose of Dhvani and achievement of Rasa through Anumāna.
- will gain the ability to explain and critically analyze the prescribed texts.
- will be able to appreciate and enjoy the expressions of poetry.

Detailed Syllabus**Unit: I****Hour 11**

प्रथम विमर्श – प्रारम्भ से 20वीं कारिका तक

Unit: II**Hour 11**

प्रथम विमर्श – भावप्रधानमाख्यातम् से हेतुवे च केवलम् कारिका तक

Unit: III**Hour 11**

प्रथम विमर्श – ननु कुतोऽयम् से 44वीं कारिका तक

Unit: IV**Hour 12**

प्रथम विमर्श – यत्पुनरस्यानेकशक्तिसमाश्रयत्वात् से प्रथम विमर्श की समाप्तिपर्यन्त

Tutorial Activities

- Textual Analysis Seminar
- Student-Led Presentation & Peer Review
- Short Research Paper / Concept Note
- Oral Examination Simulation

Essential/Recommended Readings/Texts

Essential Readings:

1. व्यक्तिविवेक - महिमभट्ट, (व्या.) रेवाप्रसाद द्विवेदी, चौखम्बा संस्कृत संस्थान, वाराणसी
2. व्यक्तिविवेक - महिमभट्ट, (व्या.) पं. मधुसूदन मिश्र, चौखम्बा संस्कृत सीरीज आफिस, बनारस
3. व्यक्तिविवेक (प्रथम विमर्श) - महिमभट्ट, (व्या.) विभारानी दुबे, चौखम्बा कृष्णदास अकादमी, वाराणसी

Additional Resources:

1. Vyaktiviveka : A critical study – C. Rajendran, New Bharatiya Book Corporation, Delhi.
2. Vyaktiviveka of Rājānaka Mahimabhaṭṭa - [Ramaranjan Mukherji](#), Editors - [Ramaranjan Mukherji](#), [Manabendu Banerjee](#), Sanskrit Pustak Bhandar
3. De, Sushil Kumar, History of Sanskrit Poetics (also Hindi translation), Oriental Book Centre, Delhi, 2006
4. Kane, P.V., *History of Sanskrit Poetics* (also Hindi translation), M.L.B.D., Delhi, 2002
5. Pandey, Kanti Chandra, *Comparative Aesthetics*, Vol. 1, (also Hindi translation Chaukhamba Sanskrit Series Office, Varanasi, 1972

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Naṭāṅkuśa: Sanskrit Theatre Criticism

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical /Practice		
Naṭāṅkuśa: Sanskrit Theatre Criticism	04	3	1	0	Nil	Nil

Learning Objectives

- To understand the historical and cultural context of medieval Kerala theatre, especially Kūḍiyāṭṭam.
- To analyze the dramaturgical critiques offered by the anonymous author of Naṭāṅkuśa.
- To appreciate the debates on śāstra (theory) vs loka (practice) in performance traditions.
- To develop familiarity with classical arguments (pūrvapakṣa–uttarapakṣa) in theatrical criticism.
- To engage with the text philologically and critically, and relate it to Nāṭyaśāstra traditions.

Learning outcomes

Upon Successful completion of this course students:

- Critically explain the main objections raised by Naṭāṅkuśa to contemporary theatrical practices.
- Compare Naṭāṅkuśa's prescriptions with Bharata's Nāṭyaśāstra and other texts like Dasharupaka
- Identify and evaluate the technical terms, performance modes, and theoretical principles in the text.
- Construct reasoned arguments against traditional and improvisational performance methods.
- Translate and interpret selected portions of the text and its commentary.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Naṭāṅkuśa and Contextual Background

- Historical overview of Sanskrit theatre in Kerala.
- Kūḍiyāṭṭam tradition and Cākyāras.
- Structure of Naṭāṅkuśa: Preface, Ankuśas, and Appendices.
- Author's intent and stylistic approach (tārkika paddhati).
- Textual Study: Introduction, Preface, and portions from the first Ankuśa.

Unit: II

Hour 11

Critique of Performance Practices – Dance and Improvisation

- Concepts of kriyā, nṛtya, abhinaya.

- Criticism of interjection of dialects, insertion of new episodes, and overuse of nṛtya.
- Analysis of Pūrvapakṣa and Uttarapakṣa structure.
- Reference to Nāṭyaśāstra and Bhāsa's plays.
- Textual Study: First and second Ankuśas.

Unit: III**Hour 11****Theoretical Foundations of Theatrical Authenticity**

- Relationship between Śāstra and Loka.
- Authenticity of characters and actor's transformation (anukartṛ vs anukārya).
- Debates on solo performance vs multiple roles by a single actor.
- Concepts of Aucitya and Anaucitya.
- Textual Study: Third and fourth Ankuśas.

Unit: IV**Hour 12****Language, Improvisation, and Shāstra-Loka Dialogue**

- Language propriety (e.g., use of Malayālam in Sanskrit drama).
- Analysis of Āścaryacūḍāmaṇi and Pratijñāyugandharāyaṇa in performance.
- Ritual preliminaries (pūrvaraṅga) and their distortion.
- The concluding prescriptions of Naṭāṅkuśa.
- Textual Study: Fifth, sixth, and seventh Ankuśas.

Tutorial Activities

- Textual Analysis Seminar
- Student-Led Presentation & Peer Review
- Mini-Workshop
- Oral Examination Simulation

Essential/Recommended Readings/Texts**Essential Readings:**

1. Tripathi, Radhavallabh (Ed. & Tr.). Naṭāṅkuśa (Critical Edition with Hindi Translation). National Mission for Manuscripts & IGNCA, 2023.

Additional Resources:

1. Bharata. Nāṭyaśāstra (with commentary by Abhinavagupta).
2. Tripathi, Radhavallabh. Nāṭyaśāstra mein Abhinaya.
3. Vatsyayan, Kapila. Traditions of Indian Classical Theatre.
4. Richmond, Farley (Ed.). Indian Theatre: Traditions of Performance.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-7: Aṣṭādhyāyī Kāśikāvṛtti**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Aṣṭādhyāyī Kāśikāvṛtti	04	3	1	0	Nil	Nil

Learning outcomes

This course intends to introduce the students to some very important portions of the Aṣṭādhyāyī (Kāśikāvṛtti), and the structure thereof. This course also aims at giving the students an advance knowledge of compounding rules and the derivational process therein, through the reading of the text of the Siddhāntakaumudī

Learning Objectives

After the completion of this course the students will:

- be able to understand some very important metarule and structural aspects of Aṣṭādhyāyī.
- be able to identify the structures of Sanskrit Language in general and the usages of the Case-endings in particular.
- be able to interpret the Sūtras of the relevant portion of the text
- be able to understand the derivational process of the compounded words of Sanskrit.
- be able to understand Paninian Nomenclatures (saṃjñā) and their application in the interpretation of the Sūtras and in the derivational process of the Sanskrit compounds.

Detailed Syllabus

Unit: I	Hour 11
अष्टाध्यायी - काशिकावृत्ति - अध्याय 3, पाद 1	
Unit II	Hour 11
अष्टाध्यायी - काशिकावृत्ति - अध्याय 3, पाद 2	
Unit III	Hour 11
अष्टाध्यायी - काशिकावृत्ति - अध्याय 3, पाद 3	
Unit IV	Hour 12
अष्टाध्यायी - काशिकावृत्ति - अध्याय 3, पाद 4	

Tutorial Activities

Reading sutras
Understading the Sutras

Applly the sutras

Essential/Recommended Readings/Texts

1. काशिकावृत्ति, प्रथमभाग तथा द्वितीयभाग, सम्पादक - श्रीनारायणमिश्र, रत्नापब्लिकेशंस, वाराणसी, 1985
2. काशिका, प्रथमभाग, द्वितीयभाग, तृतीयभाग, सम्पादक – जयशंकरलाल त्रिपाठी तथा सुधाकर मालवीय, तारा प्रिन्टिंग वर्क्स, वाराणसी, 1986-87
3. काशिकावृत्ति, न्यास-पदमंजरी-सहिता, सम्पादक – स्वामी द्वारिकादास शास्त्री एवं पं. कालिकाप्रसाशुक्ल, भाग 1, 2, वाराणसी।
4. वैयाकरणसिद्धान्तकौमुदी (बालमनोरमा-तत्त्वबोधिनीटीका), द्वितीयभाग, (सं०) गिरिधरशर्मचतुर्वेद एवं परमेश्वरानन्द शर्मा, दिल्ली

Additional Resources:

1. जिज्ञासु, ब्रह्मदत्त - अष्टाध्यायी (भाष्य) प्रथमावृत्ति (प्रथमभाग), रामलालकपूरट्रस्ट, बहालगढ़ (सोनीपत, हरियाणा)।
2. पाण्डेय, गोपालदत्त - वैयाकरणसिद्धान्तकौमुदी, प्रथमभाग, चौखम्बासुरभारतीप्रकाशन, वाराणसी, 1994
3. शास्त्री, जगदीशलालएवंमधुबालाशर्मा - वैयाकरणसिद्धान्तकौमुदी (समास-प्रकरण), मोतीलालबनारसीदास, दिल्ली
4. Joshi, S.D. and J.A.F. Fooflesgen : The Astadhyayai of Panini, Vol. 1,4,5,6,7 Sahitya Acadami, New Delhi.
5. Sharma, Ramanath. The Astadhyayai of Panini, Vol. 1, Vol. 2, Vol. 3, Munshiram Manoharlal, Delhi, 1987 (Part I), 1990 (Part II), 1995 (Part III).
6. Vasu, S.C. The Astadhyayai of Panini, Vol. I, Motilal Banarsidass, Delhi, 1997.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Vedic Sanskrit and Avestan Language

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vedic Sanskrit and Avestan Language	04	3	1	0	Nil	Nil

Learning Objectives:

The followers of Zoroastrian (Parasi) religion possessed an extensive sacred literature similar to Veda. A close affinity in many respects in language, thought and cultural aspects in the Veda and Avesta showed a new path in the field of socio-historic linguistics, which was very popular in the 18th to 20th century. But now-a-days the comparative linguistic study in this area is very less among contemporary higher learning institutions.

Sanskrit students are well equipped with the knowledge of Vedic Sanskrit linguistics. But without the knowledge of Avestan linguistic speculation they are not able to understand the Indo-Iranian socio-cultural history which is complementary to each other.

Learning outcomes:

The learner will be able to learn the language of the Avesta which is closely allied to Vedic Sanskrit. He will also be well equipped to study side by side with the Vedic linguistics for the proper understanding of both the cultures. The learner will be trained to research in the area of comparative linguistics and will produce some new facts for better understanding of Vedic people.

Detailed Syllabus:

Unit I:

Hours: 11

Phonology

- Introduction of Avestan Alphabet and their Pronunciation.
- Comparative study in the light of phonetic divisions & phonetic laws.
- Review of PIE (Proto Indo-European) Language theory.

Unit II:

Hours: 11

Morphology and Syntax

- A comparative study of gender, numbers, case, adjective, pronouns of Vedic and Avestan Language.
- A comparative study of Sentence preliminaries (word order, nominal sentence etc).

Unit III:**Hours: 11****Euphony (Sandhi) and Compounds**

Comparative study of Vowel and Consonant Sandhi.
Comparative study of Compounds.

Unit IV:**Hours: 12****Semantics and verbs**

Etymological analysis of words.
Conjugational tenses and moods.

Tutorial Activities

- Learners will analyze selected words and short sentences to identify morphological features such as gender, number, case, pronouns, and basic syntactic patterns.
- Students will work through guided exercises on vowel and consonant sandhi and identify different types of compounds by comparing structures in Vedic and Avestan.
- Participants will perform etymological analysis of key Indo-Iranian words and practice conjugating verbs in various tenses and moods to study semantic and grammatical parallels.

Essential/Recommended Readings/Texts**Essential Readings:**

1. Jackson, A.V.W., Avesta Grammar and Reader, Part-1, E.W. Kohlhammer, Stuttgart, 1892.
2. Kanga, A Practical Grammar of the Avestan Language, 1891
3. K. Hoffmann, the Avestan Script, Encyclopaedia Iranica III, pp.47-51
4. K. Hoffmann, The Grammar of Avestan, Encyclopaedia Iranica III, 1987, pp. 56-62
5. शर्मा, देवीदत्त, संस्कृति का ऐतिहासिक एवं संरचनात्मक परिचय, हरियाणा साहित्य अकादमी, चंडीगढ़, 1984
6. वर्मा, रामगोपाल, वैदिक व्याकरण, भाग-2, मयूर पेपरबाइक्स, नोएडा, 2003

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: The Gautama Dharmasūtra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
The Gautam Dharmasūtra	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to provide a foundational understanding of the Gautama Dharmasūtra, one of the earliest and most influential texts in the Dharmaśāstra tradition. Learners will explore the principles of individual and societal conduct, life-stage duties, ritual observances, legal procedures, gender norms, and atonement practices as prescribed in the text. The course seeks to contextualize the Gautama Dharmasūtra within early Indian legal and ethical literature, fostering critical engagement with its historical, cultural, and philosophical dimensions.

Learning outcomes

- By the end of the course, learners will be able to explain the core principles of Dharma as articulated in the Gautama Dharmasūtra, including the ideals of truthfulness, purity, and the duties associated with the varṇa and āśrama systems.
- They will be able to identify the prescribed rituals and observances pertaining to various life stages, such as studenthood (brahmacarya), householdership (gṛhastha), forest-dwelling (vānaprastha), and renunciation (sannyāsa).
- Learners will analyze regulations concerning food, speech, dress, bodily discipline, and interpersonal etiquette, gaining insight into the moral and ritual dimensions of Vedic social life.
- They will interpret the procedures related to marriage, including the distinctions among different forms of union such as anuloma and pratiloma, alongside the roles and responsibilities assigned to women.
- The course will enable learners to assess the legal frameworks established in the text, including issues of property rights, judicial punishment, caste-based justice, and social mobility. Furthermore, they will evaluate the detailed doctrine of prāyaścitta (expiation), examining the classification of sins and the corresponding methods of atonement through penance, fasting, charity, and ritual acts.
- Finally, learners will be equipped to contextualize the Gautama Dharmasūtra within the broader Dharmaśāstra tradition and appreciate its lasting impact on the development of Hindu legal and ethical thought.

Detailed Syllabus

Unit: I	12 Hours
Gautam Dharmasūtra: Prashn 1 Adhyay 1- Adhyay 4	
Unit: II	11 Hours
Gautam Dharmasūtra: Prashn 1 Adhyay 5- Adhyay 9	
Unit: III	11 Hours
Gautam Dharmasūtra: Prashn 2 Adhyay 1- Adhyay 4	
Unit: IV	11 Hours
Gautam Dharmasūtra: Prashn 2 Adhyay 7- Adhyay 9, Prashn 3 Adhyay 1	

Tutorial Activities

1. Comparative Study
2. Verse Analysis
4. Group Discussion
5. Presentation

Essential/Recommended Readings/Texts

1. पाण्डेय, उमेश चन्द्र, (१९६६), गौतम-धर्मसूत्र, हरदत्त की मिताक्षरा टीका सहित, चीखम्बा संस्कृत सीरिज, वाराणसी
2. प्रभाकर शास्त्री एवं विकास शर्मा, (२०१६), गौतमधर्मसूत्राणि 'प्रभा' व्याख्या मण्डितानि सानुवाद 'मिताक्षरावृत्ति' सहितानि, हंसा प्रकाशन, जयपुर.
3. Pramodvardhan, Koundinayan, (2015), Gautama-Dharma Sūtram, Chaukhambha Surbharati prakashan, Varanasi.
4. Pandey, Umesh Chandra, (2013), Gautama-Dharma Sūtra ith the 'Mitaksara' Sanskrit Commentary of Haradatta, Chaukhambha Sanskrit Sansthan, Varanasi.
5. Georg Bühler, (1898), The Sacred Laws of the Āryas: As Taught In The Schools Of Āpastamba, Guatama, Vāsiṣṭha, And Budhāyana, The Christian Literature Company, New York
6. Online Search and Indexing Tools for Dharmashastric Texts, available at: <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Inscriptions of Post-Gupta Period

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Inscriptions of Post-Gupta Period	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to provide students with a detailed understanding of inscriptions from the Post-Gupta period, focusing on their historical, cultural, and regional significance. It aims to familiarize students with key inscriptions from this era, which document political, religious, and social developments after the decline of the Gupta Empire. The course will also explore the evolution of scripts and languages, as well as the role of these inscriptions in reconstructing the historical narrative of ancient India. Students will learn to analyze and interpret these inscriptions as primary sources.

Learning outcomes

After the completion of this course, the students will:

- Understand the historical, cultural and regional significance of Post-Gupta period inscriptions.
- Learn to analyze key inscriptions from the Post-Gupta era and their role in documenting political and social changes.
- Develop the ability to interpret the evolution of scripts and languages used in Post-Gupta inscriptions.
- Gain insight into the role of Post-Gupta inscriptions in reconstructing the historical narrative of ancient India.
- Appreciate the contribution of Post-Gupta period inscriptions in understanding the transition from the Gupta Empire to later regional powers.

Detailed Syllabus

Unit: I

Hour 11

- Historical Study of Post-Gupta Period
- Rise of Feudalism & Land Grants
- System of Dating and Harsha Samvat
- Development of regional scripts

Unit: II

Hour 11

- Bhamodramahota Copper Plate Inscription of Dronasingh
- Maliya Copper Plate Inscription of Dharsena II
- Aleena Inscription of Shiladitya

- Afsad Inscription of Adityasena

Unit: III

Hour 11

- Devbarnark Inscription of Jeevitgupta
- Barabar Cave Inscription of Anantvarma
- Nagarjuni Cave Inscription of Anantvarma
- Hadaha Inscription of Ishanvarma

Unit: IV

Hour 12

- Banskhedha Inscription of Harshvardhana
- Nalanda Inscription of Yashovarmdeva
- Bodhgaya Inscription of Mahanama
- Ganjaam Copper Plate Inscription of Shashanka

Tutorial Activities

- Learning of dating systems and chronology
- Study of dynastic lineage and genealogy
- Knowledge of geographical location and mapping
- Study of scripts, language and palaeography

Essential/Recommended Readings/Texts

1. राजपुरोहित, भगवतीलाल. प्राचीन भारतीय अभिलेख. शिवालिक प्रकाशन, दिल्ली.
2. राणा, एस.एस. भारतीय अभिलेख. भारतीय विद्या प्रकाशन, दिल्ली-वाराणसी, 1978.
3. श्रीवास्तव, के. सी. प्राचीन भारत का इतिहास तथा संस्कृति. यूनाइटेड बुक डिपो, इलाहाबाद, 2022.
4. सैनी, रणजीत सिंह. अभिलेखमञ्जूषा. न्यू भारतीय बुक कार्पोरेशन, दिल्ली, 2000.
5. सहाय, शिवस्वरूप. भारतीय पुरालेखों का अध्ययन. मोतीलाल बनारसीदास, दिल्ली, 2008.
6. Mookarji, R.K. Harsha. Oxford, London, 1926.
7. Pires, Edward A. The Maukharis. Ramanand Vidya Bhavan, Delhi, 1982.
8. Sircar, D.C. Select Inscriptions. Vol. II (6th to 18th century A.D.), Moti Lal Banarsi Dass, Delhi, 1983.
9. Srivastava, B.N. Harsha and His Times. Chaukhamba Sanskrit Series, Varanasi, 1976
10. Thaplyal, Kiran Kumar. Inscriptions of the Maukharis, Later Gupta's, Pushyabhutis and Yashovarman of Kannauj. Indian Council of Historical Research, Delhi, 1985.
11. Tripathi, R.S. History of Kannauj. Moti Lal Banarsi Dass, Delhi, 1964.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Conservation of Manuscripts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Conservation of Manuscripts	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to provide students with an understanding of the principles and practices involved in the conservation of manuscripts. It aims to introduce the methods used to preserve and protect manuscripts from deterioration caused by physical, chemical, and environmental factors. The course will cover topics such as assessment of manuscript condition, conservation techniques, and the ethical considerations in manuscript preservation, equipping students with the knowledge to contribute to the sustainable care and longevity of valuable manuscript collections.

Learning outcomes

After the completion of this course, the students will:

- Understand the principles and importance of manuscript conservation.
- Identify the various factors that contribute to the deterioration of manuscripts.
- Learn about different conservation techniques and their applications.
- Develop skills to assess the condition of manuscripts and determine appropriate conservation measures.
- Appreciate the ethical considerations involved in the preservation and restoration of manuscripts.

Detailed Syllabus

Unit: I

Hour 11

The Need for Manuscript Preservation

- Definition and importance of preserving manuscripts
- Role of manuscripts in sustaining Indian knowledge traditions
- Overview of Indian Shastra tradition
- Study of Vedic and Laukik manuscripts (Vedas, Upanishads, Arthashastra, Nirukta, Dharmashastra, and Music)

Unit: II

Hour 11

Methods and Techniques of Manuscript Preservation

- Physical preservation: Cleanliness and safe handling methods
- Chemical preservation: Preventing manuscript degradation using safe techniques

- Digital preservation: Methods to digitize manuscripts for long-term access
- Educational initiatives to create awareness about manuscript preservation
- Finding and securing safe spaces for manuscript storage

Unit: III

Hour 11

Cataloguing and Classification of Manuscripts

- Understanding the basics of manuscriptology
- Discovery and exploration of various manuscripts
- Classification and types of manuscripts based on content and material
- Step-by-step process for preserving manuscripts in chronological order
- Techniques for editing, annotating, and publishing manuscripts

Unit: IV

Hour 12

Survey of Manuscripts

- Overview of India’s key manuscript repositories
- Survey of global manuscript repositories and their preservation techniques
- Contributions of Indian scholars like Dayananda Saraswati, Dr. H.P. Shastri, Dr. Gopinath Patnaik, and Dr. Vasudevan Nair
- Contributions of Western scholars like Thomas E. Marco, Caspar Reinard, Johannes Gutenberg, and Arthur Met C.C. Egworth

Tutorial Activities

- Introduction and Material Study
- Script Identification Exercise
- Manuscript Preservation Workshop
- Paleographic Study and Dating Exercise
- Scribe and Patronage Discussion
- Translation and Content Analysis

Essential/Recommended Readings/Texts

12. “Research Methodology: Methods and Techniques” by C.R. Kothari & Gaurav Garg
13. “शोध प्रविधि” (Research Methodology) by डॉ. अनिल कुमार शर्मा
14. “भारतीय अभिलेख एवं पांडुलिपि विज्ञान” by के.वी. शर्मा
15. “शोध प्रक्रिया और विधियां” by डॉ. सी.एल. कौल
16. “भारतीय पांडुलिपि परंपरा” by डॉ. सत्येंद्र दूबेपांडुलिपि विज्ञान और पाठालोचन” by डॉ. वी.एस. पाटील
17. “पांडुलिपि अध्ययन: सिद्धांत और अभ्यास” by डॉ. महेन्द्र कुमार शर्मा

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Agnipurāṇa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Agnipurāṇa	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to present the encyclopaedic value of Agnipurāṇa. The course especially highlights the knowledge domains such as Geography, Social science, judiciary, medical science and Vedic phonetics of this scripture.

Learning outcomes

After the completion of this the course the students will:

- be able to acquire the knowledge of geography as reflected in the texts.
- be able to gain knowledge of the ancient judicial system and be able to compare and contrast it with the smṛiti texts and modern judiciary.
- be able to gain the knowledge of puranic medical science for human beings and plants.
- know about the Vedic phonetics.
- be able to understand and explain the prescribed texts.
- be able to apply their knowledge in day-to-day practical life.

Detailed Syllabus

Unit: I

अग्निपुराण:109-114 अध्याय तक

Hour 11

Unit: II

अग्निपुराण:238-241 अध्याय तक

Hour 11

Unit: III

अग्निपुराण:279-282 अध्याय तक

Hour 11

Unit: IV

अग्निपुराण:337 & 339 अध्याय

Hour 12

Tutorial Activities

- Collaborative Concept Clarification
- Textual Analysis Seminar
- Short Research Paper / Concept Note
- Seminar Debate

Essential/Recommended Readings/Texts

Essential Readings:

- 1. Agnipurana, Ed. Acarya Baladeva Upadhyaya, Varansi, 1967
- 2. Agnipurana, Anandasram Edition, Poona1900

Additional Resources:

- 1. Agnipurana, More Edition, Calcutta
- 2. Agnipurana, Hindi Tika Sahita, 1-2 Bhaga, Varanasi
- 3. Agnipurana, English Translation by N. Gangadharan, Vol. I-IV, Madras.
- 4. Agnipurana m, English Translation by M.N. Dutta, 1-2 Vols.
- 5. Agnipurana -Reprinted by Nag Prakashan, Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Information Retrieval and Concept Mining in Sanskrit

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Information Retrieval and Concept Mining in Sanskrit	04	3	0	1	Nil	Nil

Learning Objectives

The course aims to equip students with the knowledge and skills to explore and extract meaningful information from Sanskrit texts using advanced computational techniques. Students will gain an understanding of the structure of Sanskrit language, semantic relationships, and linguistic intricacies. The course emphasizes the development and application of search algorithms, natural language processing (NLP) tools, and indexing systems for Sanskrit literature. Learners will also delve into concept mining methodologies to uncover hidden knowledge from ancient texts. By the end, students will be proficient in building and utilizing digital tools for Sanskrit text analysis and research..

Learning outcomes

By the end of this course, students will:

1. Understand the basic principles of search engines and information retrieval systems.
2. Learn programming techniques for indexing and querying Sanskrit texts.
3. Address common linguistic challenges in Sanskrit, such as sandhi and compound words.
4. Gain hands-on experience in creating a basic Sanskrit search engine.
5. Understand the importance of Unicode, transliteration, and text normalization for Sanskrit processing.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Information Retrieval

Basics of Information Retrieval (IR): Concepts and Applications.
 Overview of Sanskrit Text Characteristics, Unicode and Devanagari Script.
 Introduction to Digital Sanskrit Corpora: Tools and Techniques.
 Basics of online Indexing and concept mining

Unit: II

Hour 11

Python Programming for Sanskrit Text Processing

Tokenization and Simple Search Queries for Sanskrit Texts using Python.

Basic String Manipulation for Sanskrit using Python.
 Python for Sanskrit Text Processing.
 Hands-On Practice: Writing Simple Code for Query Matching in Sanskrit.

Unit: III**Hour 11****Building a Simple Search Engine**

Basics of Search Engine Architecture: Indexing and Querying.
 Implementing a Simple Indexer for Sanskrit Texts.
 Adding Filters for Transliteration Support in Search Queries.
 Introduction to Ranking and Relevance (Simple Algorithms).
 Hands-On Practice: Creating a Search Tool for a Small Sanskrit Corpus.

Unit: IV**Hour 12****Project Work**

Group Project: Developing a Simple Sanskrit Search Engine.
 Indexing a Selected Sanskrit Text.
 Testing and Debugging the Search Engine.

Practical Details

- Sanskrit Text Digitization
- Text Processing using Python
- Survey of Related Tools
- Development of Online Indexing

Essential/Recommended Readings/Texts

1. Christopher D. Manning, Prabhakar Raghavan and Hinrich Schütze, Introduction to Information Retrieval, Cambridge University Press. 2008. URL: <https://nlp.stanford.edu/IR-book/information-retrieval-book.html>
2. Christopher D. Manning, Prabhakar Raghavan, Hinrich Schütze, Introduction to Information Retrieval, 2008, Cambridge University Press 2025
3. Subhash Chandra (2021). भाषासंगणन (Language Computing), Upasana Publications, New Delhi, India, ISBN: 978-93-87677-05-0.
4. Subhash Chandra (2017). मशीनी अनुवाद (Machine Translation) यूजीसी सीबीसीएस स्कीम के तहत बीए (संस्कृत) के एईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित. Vidya Nidhi Prakashana, New Delhi, India, ISBN 978-93-85539-52-

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-7: Bhāvaprakāśanighaṇṭu

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Bhāvaprakāśanighaṇṭu	04	3	1	0	Nil	Nil

Learning Objectives

The demand for Āyurveda is growing globally, the scientific fraternity is attracting towards alternate systems of medicine, which are safe. Accordingly, the quest for the new therapeutic leads by exploring ancient Āyurvedic texts is increasing day by day not only from the Āyurvedic fraternity but also from other allied Scholars. The objective of the Ayurvedic text Bhavprakash Nighantu is to describe the properties, uses, and identifications of herbs and other medicinal plants. The text can be used as a guide for physicians to use drugs safely and rationally.

Learning outcomes

- Students will be able to learn about medicinal Herbs and plants.
- To learn about the conditions in which certain drugs should not be used.
- To learn about the medicinal plants that promote complexion.
- To learn about the nutritional values of fruits.

Detailed Syllabus

Unit: I

Hour 11

Bhāvaprakāśanighaṇṭu

Harītakyaḍivarga-225

Karpūraḍivarga-109

Unit: II

Hour 11

Bhāvaprakāśanighaṇṭu

Guḍūcyādivarga-206

Puṣpavarga-57

Vaṭādivarga-63

Āmrāḍiphalavarga-126

Dhātūpadhāturasoparasaratnoparatnaviṣopaviṣādivarga-186

Unit: III**Hour 11****Bhāvaprakāśanighaṇṭu**

Dhānyavarga-77

Śākavarga-99

māṃsavarga-119

Unit: IV**Hour 12****Bhāvaprakāśanighaṇṭu**

Kṛtānavarga-161

Vārivarga-80

Dugdhavarga-43

Dadhivarga-19

Takravarga-16

Navanītavarga-5

Ghṛtavarga-18

Mūtravarga-7

Tailavarga-28

Sandhānavarga-30

Madhuvarga-28

Ikṣuvarga-34

Anekārthanāmavarga-4

Tutorial Activities

- Textual Analysis Seminar
- Student-Led Presentation & Peer Review
- Short Research Paper / Concept Note
- Collaborative Concept Clarification
- Theoretical Application Exercise

Essential/Recommended Readings/Texts

1. पण्डेय, गंगासहाय. भावप्रकाशनिघण्टु. चौखम्बा विश्वभारती, 2015.
2. Kamat, S. D. *Bhāvaprakāśanighaṇṭu by Bhāvamīśra. vol.1-2*. Chaukhamba Sanskrit Pratisthan, 2018.
3. Lucas, D. S. *Bhavprakash Nighantu*. Chaukhamba, 2017.
4. Singh, Amritpal, and Ashok Bishnoi. *Bhavaprakasa Nighantu (Revised Edition)*. Chaukhamba, 2021.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Praśnajñāna

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Praśnajñāna	04	3	1	0	Nil	Nil

Learning Objectives

Analyze planetary positions and aspects to predict outcomes.

Determine the likelihood of events, such as return, success, or failure, and identify potential challenges.

Use Praśna Lagna principles in real-world scenarios to predict outcomes and provide insights.

Understand the significance of various planetary combinations and their impact on predictions.

Develop skills to make accurate predictions and provide guidance based on Praśna Lagna analysis.

Learning outcomes

After completion of this course the students:

- Determine the Praśna Lagna and its significance in predicting outcomes.
- Analyze planetary positions and aspects in Praśna Lagna to predict various outcomes.
- Predict outcomes based on Praśna Lagna, including success, failure, and other events.
- Interpret various planetary combinations and their impact on predictions.
- Apply Praśna Lagna principles in real-world scenarios to provide accurate predictions and guidance.

Detailed Syllabus

Unit: I

Hours: 12

ग्रह-वन्दना, कतिपय प्रसिद्ध योग, प्रश्नकालीन शकुन, भावफल विचार, भावफल का नाश और वृद्धि, ग्रहमैत्री ।

Unit: II

Hours: 11

कार्यसिद्धि के योग, प्रश्न लग्न में राशियों का फल, लग्न में शुभ ग्रहों का फल, प्रश्न लग्न में पाप ग्रहों का फल, प्रवासी सम्बन्धी प्रश्न, जय पराजय के योग-शत्रु सम्बन्धी, सन्धि योग, मुकदमा विचार ।

Unit: III

Hours: 11

रोग विचार, विवाह विचार, स्त्री एवं गर्भ विचार, दाम्पत्य सम्बन्ध विचार, गर्भ-विचार : कन्या या पुत्र, भोजन विचार, स्वप्न दर्शन, वर्षा विचार ।

Unit: IV

Hours: 11

ह्रस्व दीर्घ राशियां, धातु, मूल एवं जीव के प्रतिनिधि ग्रह, ग्रहों के वर्ण, ग्रहों की आकृति, मूक प्रश्न विचार, चोर विचार, कार्य सिद्धि और उसका समय।

Tutorial Activities

- Textual Analysis Seminar
- Student-Led Presentation & Peer Review
- Collaborative Concept Clarification
- Theoretical Application Exercise

Essential/Recommended Readings/Texts

1. प्रश्न ज्ञान (आर्यासप्ततिः) भट्टोत्पल विरचित – (व्या.) डॉ. शुकदेव चतुर्वेदी , रंजन पब्लिकेशन्स , नई दिल्ली, 2014

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-7: Muhūrta Mārtanda

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Muhūrta Mārtanda	04	3	1	0	Nil	Nil

Learning Objectives

To understand Muhurta Principles: Learn the fundamental principles of Muhurta and its significance in Hindu astrology.

To analyze Planetary Influences: Analyze planetary influences and their impact on Muhurta calculations.

To select Auspicious Muhurattas: Develop skills to select the most auspicious Muhurattas for maximum benefits and positive outcomes.

Learning outcomes

After completion of this course the students:

- Understand how to calculate auspicious times for various events, including weddings, ceremonies, and other important life events.
- Apply Muhurta principles in real-world scenarios to determine the most auspicious times for various activities.
- To select the most auspicious Muhurattas for maximum benefits and positive outcomes, ensuring success and prosperity in various endeavors.

Detailed Syllabus

Unit: I

Hours: 12

त्याज्य प्रकरणम्, नक्षत्र प्रकरणम्, संस्कार प्रकरणम् ।

Unit: II

Hours: 11

विवाह प्रकरणम् (मेलापक विचार से विवाह लग्न की शुद्धि पर्यन्त) ।

Unit: III

Hours: 11

विवाह प्रकरणम् (विविध दोष विचार से मेलापक में नक्षत्र का विचार पर्यन्त) ।

Unit: IV

Hours: 11

मिश्रप्रकरणम्, पल्लीपतन फलादि प्रकरणम् और गोचर प्रकरणम् ।

Tutorial Activities

- Textual Analysis Seminar
- Student-Led Presentation
- Theoretical Application Exercise
- Mini-Workshop
- Collaborative Concept Clarification

Essential/Recommended Readings/Texts

1. मुहूर्त मर्तण्ड (नारायण भट्ट विरचितः), टीकाकार - पं गणेशदत्त पाठक , सावित्री ठाकुर प्रकाशन , वाराणसी, 1998
2. मुहूर्तचिन्तामणिः(श्रीमद्रामदैवज्ञविरचितः), (व्या.) श्री विंध्येश्वरी प्रसाद द्विवेदी, चौखम्भा सुरभारती प्रकाशन, वाराणसी, 2017

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-7: Lilawati

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Lilawati	04	3	1	0	Nil	Nil

Learning Objectives

The course aims to introduce contemporary theories and facts about Vedic mathematics and the Bhartiya mathematical tradition, addressing both traditional and modern questions. It seeks to demonstrate how Vedic mathematics and the entire Bhartiya mathematical tradition is a living practice.

Learning outcomes

After completion of this course the students:

- Will have a comprehensive understanding of the innovative concepts bridging the gap between Bhartiya Mathematics and Modern Mathematics.
- Will acquire knowledge of the different dimensions of Mathematics i.e. effects, cause, definitions, forms and facts present in Bhartiya Mathematics and Vedic Mathematics. They will explore the historical context, key principles, and methodologies that characterize this unique approach.
- Will become acquainted of new concepts and facts found in Mathematics.
- Will be able to compare modern and ancient thoughts of Mathematics.
- Will achieve the ability to critically analyze and explain the prescribed texts.

Detailed Syllabus

Unit: I	Hour 11
Paribhasa, Manglacharan	
Abhinparikarn, Sankalit, Vyavkalit, Bhagahar, Ghan, Trai-Panch-Sapta-Nav-Ekodash- Rashi Vyavhar	
Unit: II	Hour 11
Mishrantar Karansutra to Chhandaschiti Karansutra	
Unit: III	Hour 11
Shredhivyavhar and Khaatvyavhar	
Unit: IV	Hour 12
Rashivyavhar and Chhayavyavhar	

Tutorial Activities

- Textual Analysis Seminar
- Discussion Recitation and Pattern Recognition
- Demonstration of Vedic Techniques
- Critical Commentary Writing

Essential/Recommended Readings/Texts

1. Jha, shrilashanlaal (vyakhyakar), Lilawati, Chowkhambha Vidyabhawan, Varanasi,2008.
2. मिश्र, कमलाकान्त (सम्पा.), 2003, संस्कृत वाङ्मय में विज्ञान का इतिहास, राष्ट्रीय शैक्षिक अनुसन्धान और प्रशिक्षण परिषद्, नई दिल्ली ।
3. Datta, Bibhutibhushana & Singh Avadesh Narayan, 2004, History of Hindu Mathematics (Vol. 1&2) Bharatiya Kala Prakashan, Delhi.
4. तिवारी, दया शंकर, 2020, संस्कृत वाङ्मय में गणितीय परम्परा, चौखम्भा ऑरियण्टालिया, दिल्ली ।

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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Generic Elective (GE): Any 01 from pool**Credits 04**

Any one of the following GE-3 pools

GE-3: Vedic Knowledge Tradition and Indian Culture**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vedic Knowledge Tradition and Indian Culture	04	3	1	0	Nil	Nil

Learning Objectives:

The course is to acquaint the students with Knowledge Tradition, Indian culture and civilization as preserved in Vedic Literature. Special focus will be given on the evolution of Indian Culture, social institutions of ancient India like Varṇa, Āśrama & Vaidika Yajna, salient features of Vedic culture, Vedic Deity & seers, ancient education system and position of women.

Learning outcomes:

After completion of this course the students will:

- elaborate the basic concepts of Vedic culture.
- express the Varṇashram system depicted in Vedic Literature.
- know in details about the Vaidika Ṛṣi and Ṛṣikā.

Detailed Syllabus:**Unit: I****Hour 11**

Evolution of Indian Culture and Civilization

- Definitions of culture and civilization
- Difference between culture and civilization
- Characteristics of culture and civilization
- Pre Vedic period
- Post Vedic period

Unit: II**Hour 11**

Salient components of Vedic Culture

- Varṇa-Vyavasthā
- Āśrama-Vyavasthā
- Vaidika Yajna

Unit: III**Hour 11****Vaidika R̥ṣi**

- Vaidika R̥ṣi : Ḡṛtsamada, Viśvaāmitra, Vāmadeva, Atri, Bharadvāja, Vaṣiṣṭha, Kaśyapa, Gautama
- Vaidika R̥ṣikā : Vāk Ambhr̥ṇi, Gargī, Viśvavārā, Lopāmudrā, Ghoṣa, Apālā, Suryā

Unit: IV**Hour 12****Focal aspects of Vedic Culture**

- Ancient Indian Education System
- Status of Women
- Vaidika Darśana

Tutorial Activities

- Doubt solving classes.
- Development of writing and reading skills in Sanskrit
- Understanding the keywords e.g. Varna, Ashrama, Culture, Civilization etc.
- Tracing the evolutionary history of the ancient Indian education system.
- Finding the similarities and differences between present and ancient education system.

Essential/Recommended Readings/Texts**Essential Readings :**

1. द्विवेदी पारसनाथ, वैदिक साहित्य का इतिहास, चौखम्बा सुभारती प्रकाशन, नई दिल्ली, २०१२
2. उपाध्याय बलदेव, वैदिक साहित्य एवं संस्कृति, शारदा संस्थान, वाराणसी, १९८५
3. उपाध्याय बलदेव, संस्कृत वाङ्मय का बृहद् इतिहास, उत्तर प्रदेश संस्कृत संस्थान, लखनऊ, २००१
4. द्विवेदी डॉ. कपिलदेव, वैदिक साहित्य एवं संस्कृति, विश्वविद्यालय प्रकाशन, वाराणसी, २०००
5. ऋषि उमाशंकर शर्मा, संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी, २०१७
6. उपाध्याय, रामजी. भारतस्य सांस्कृतिक-निधिः, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली।
7. अल्तेकर, ए.एस. रस् प्राचीन भारत में शिक्षा, दिल्ली।
8. उपाध्याय, बलदेव, वैदिक साहित्य और संस्कृति, शारदा संस्थान, वाराणसी, २०१०
9. शास्त्री, कपिलदेव, वैदिक ऋषि एक परिशीलन, कुरुक्षेत्र विश्वविद्यालय, कुरुक्षेत्र, हरियाणा, १९७८
10. वैदिक दर्शन, कपिलदेव, द्विवेदी, विश्वभारती अनुसन्धान परिषद्, ज्ञानपुर, भदोही, उत्तर प्रदेश, २००६
11. वैदिक देवों का आध्यात्मिक और वैज्ञानिक स्वरूप, डॉ. कपिलदेव द्विवेदी, विश्वभारती अनुसन्धान परिषद्, ज्ञानपुर, भदोही, उत्तर प्रदेश, २००७

Additional Readings :

1. काणे, पी. वी., धर्मशास्त्र का इतिहास, अनुवादक, अर्जुन चौबे काश्यप, उत्तर प्रदेश हिन्दी संस्थान, लखनऊ।
2. चतुर्वेदी, गिरिधर शर्मा, वैदिक विज्ञान और संस्कृति, बिहार राष्ट्रभाषा परिषद्, पटना, बिहार, २००१
3. ज्ञानी, शिवदत्त. भारतीय संस्कृति, राजकमल प्रकाशन, दिल्ली।
4. दिनकर, रामधारी सिंह, संस्कृति के चार अध्याय, लोकभारती प्रकाशन, इलाहाबाद।
5. पाण्डेय, राजबली, हिन्दू संस्कार, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली।
6. कोशाम्बी, डी. डी., प्राचिन भारत की संस्कृति और सभ्यता, राजकमल प्रकाशन, नई दिल्ली।
7. गोयल, प्रीतिप्रभा, भारतीय संस्कृति, राजस्थानी ग्रन्थागार, जयपुर।

8. टण्डन, किरण. भारतीय संस्कृति, इस्टर्न बुक लिंकर्स, दिल्ली
9. Altekar, AS, Position of Women in Hindu Civilization, MLBD, Delhi.
10. Kane, PV, History of Dharmashastra, Vol. II, BORI, Poona.
11. Majumdar, RC, Ancient India, Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-3: Survey of Sanskrit Poetry-3

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Survey of Sanskrit Poetry-3	04	3	1	0	Nil	Nil

Learning Objectives

The purpose of this course is to familiarize the students with the important poetic contributions of the famous poets of Sanskrit literature.

Learning outcomes

Upon successful completion of this course students:

- will have a broad perspective of the field of famous poets of Sanskrit literature and their contributions.
- will be successful in applying this knowledge for critical analysis.
- will have a broad perspective of the field of famous poets of Sanskrit literature and their contributions.
- will be successful in applying this knowledge for critical analysis.

Detailed Syllabus

Unit: I

Hour 11

सुबन्धु – कालविषयक विभिन्न मत, जीवनवृत्त, रचनाएँ, श्लेषप्राधान्य, साहित्यिक वैशिष्ट्य, परवर्ती गद्यकवियों पर प्रभाव।

Unit: II

Hour 11

दण्डी – कालविषयक विभिन्न मत, जीवनवृत्त, रचनाएँ (दशकुमारचरित, अवन्तसुन्दरीकथा), साहित्यिक वैशिष्ट्य।

Unit: III

Hour 11

बाणभट्ट – कालविषयक विभिन्न मत, जीवनवृत्त, रचनाएँ (हर्षचरित, कादम्बरी, चण्डीशतक), साहित्यिक वैशिष्ट्य, बाणोच्छिष्टं जगत्सर्वम्।

Unit: IV

Hour 12

अन्य गद्यकार – धनपाल, वादीभसिंह, मेरुतुङ्ग, वामनभट्टबाण – कालविषयक विभिन्न मत, जीवनवृत्त, रचनाएँ, साहित्यिक वैशिष्ट्य।

Tutorial Activities

- Text Reading & Annotation Workshops
- Alaṅkāra Spotting Competition
- Meter Identification Workshop (Chandas Anubhava)
- Descriptive Imagery Recreation
- Dramatic Enactment / Abhinaya Practice

Essential/Recommended Readings/Texts

Essential Readings:

1. व्यास भोलाशंकर – संस्कृत कवि दर्शन, चौखम्बा विद्याभवन, वाराणसी

2. शर्मा उमा शंकर 'ऋषि' – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
3. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
4. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Additional Resources:

1. अग्रवाल, वासुदेवशरण – कादम्बरी एक सांस्कृतिक अध्ययन, चौखम्बा विद्याभवन, वाराणसी, 1970
2. डिंडोरिया वेद प्रकाश – वासवदत्ता, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली, 2018
3. भट्ट, राजेश्वरी – कादम्बरी का काव्यशास्त्रीय अध्ययन, पब्लिकेशन स्कीम जयपुर।
4. त्रिपाठी जय शंकर – दण्डी, साहित्य अकादमी, दिल्ली
5. कुमार सञ्जय – दण्डी : समय और साहित्य, अनुज्ञा बुक्स, दिल्ली
6. पाण्डेय अमरनाथ – बाणभट्ट का साहित्यिक अनुशीलन, भारतीय विद्या प्रकाशन, वाराणसी, 1974
7. कृष्णमूर्ति के. – बाणभट्ट, साहित्य अकादमी, दिल्ली

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-3 Basic Elements of Sanskrit Poetics-3

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Basic elements of Sanskrit Poetics-3	04	3	1	0	Nil	Nil

Learning Objectives

This course gives basic and necessary information on modern Sanskrit Poetics. It also focuses on all the basic poetic elements in Sanskrit Poetics.

Learning outcomes

After the completion of the course students will:

- Will acquire knowledge of the different dimensions of poetry i.e. Rīti, Vakrokti, Aucitya and Nyāya used in Sanskrit Poetics.
- will be able to learn the thoughts of Sanskrit poetics.
- become aware of the expanse and the depth of Sanskrit poetics;
- gain the ability to explain and critically analyze the Sanskrit texts.

Detailed Syllabus

Unit: I

Hour 11

रीति — रीति की मूल प्रेरणा, रीति का उद्भव और विकास, रीति का लक्षण तथा गुणों से सम्बन्ध, रीतियों की संख्या, रीतियों के नियामक तत्त्व, रीति का काव्यात्मत्व।

Unit: II

Hour 11

वक्रोक्ति — वक्रोक्ति की मूल प्रेरणा, कुन्तक से पूर्व वक्रोक्ति का स्वरूप, कुन्तक द्वारा प्रस्तुत वक्रोक्ति का लक्षण तथा स्वरूप, वक्रोक्ति के भेद, वक्रोक्ति का काव्यजीवित्व, कुन्तक के पश्चात् वक्रोक्ति का स्वरूप।

Unit: III

Hour 11

औचित्य — औचित्य की मूल प्रेरणा, क्षेमेन्द्र से पूर्व औचित्य का स्वरूप, क्षेमेन्द्र द्वारा प्रस्तुत औचित्य का लक्षण तथा स्वरूप, औचित्य के भेद, वृत्तौचित्य, औचित्य का काव्यजीवित्व।

Unit: IV

Hour 12

काव्यशास्त्र में प्रयुक्त न्याय तथा उनसे उपकृत काव्यसिद्धान्त — दण्डचक्रादिन्याय, तृणारणिमणिन्याय, दध्यादिन्याय, शतपत्रपत्रशतव्यतिभेदन्याय, चित्रतुरगादिन्याय, ब्राह्मणश्रमणन्याय, कामिनीकुचकलशन्याय, तिलतण्डुलन्याय, नीरक्षीरविवेकन्याय।

Tutorial Activities

- Text Reading & Annotation Workshops
- Alaṅkāra Spotting Competition
- Meter Identification Workshop (Chandas Anubhava)

- Dhvani Case Study Discussion
- Style & Diction Comparison (Rīti & Guṇa)
- Vakrokti: Paraphrase Exercise
- Auchitya Judgment Scenarios

Essential/Recommended Readings/Texts

Essential Reading:

1. उपाध्याय, बलदेव - भारतीयसाहित्यशास्त्र, चौखम्बा प्रकाशन, वाराणसी
2. कृष्णकुमार - अलंकारशास्त्र का इतिहास, साहित्य भण्डार, मेरठ
3. De, S.K. - History of Sanskrit Poetics, K.L. Mukhopadhyay, Calcutta
4. Kane, P.V. - History of Sanskrit Poetics, MLBD, Delhi
5. Raghavan, V. - Studies on Some Concepts of Alaṅkāraśāstra, Adyar Library, Madras

Additional Readings:

1. 'हीरा' राजवंश सहाय – अलङ्कारों का ऐतिहासिक विकास, बिहार हिन्दी ग्रन्थ अकादमी, पटना।
2. चौधरी सत्यदेव - काव्यशास्त्र के परिदृश्य, परिमल पब्लिकेशन्स, दिल्ली।
3. द्विवेदी, देवी प्रसाद – काव्यशास्त्रीय पारिभाषिक शब्दों की निरुक्ति, सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2007.
4. Raghavan V. and Nagendra - An Introduction to Indian Poetics, Macmillan and Company Limited, Madras.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-3: Origin and Development of Vāstuśāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Origin and Development of Vāstuśāstra	04	3	1	0	Nil	Nil

Learning Objectives

Students will be able to:

- Understand the definition and significance of Vastushastra and its relevance in modern times.
- Describe the historical development of Vastushastra and its evolution over time.
- Explain the fundamental principles of Vastushastra, including the concept of directions, space, and energy.
- Analyze the application of Vastushastra in various fields, including architecture, interior design, and construction.
- Evaluate the benefits of applying Vastushastra principles in building design and construction.

Learning outcomes

Students will be able to:

- Understand the definition and significance of Vastushastra and its relevance in modern times.
- Describe the historical development of Vastushastra and its evolution over time.
- Explain the fundamental principles of Vastushastra, including the concept of directions, space, and energy.
- Analyze the application of Vastushastra in various fields, including architecture, interior design, and construction.
- Evaluate the benefits of applying Vastushastra principles in building design and construction.

Detailed Syllabus

Unit: I

Hour 12

वास्तुशास्त्र का संक्षिप्त परिचय, वास्तुशास्त्र की उत्पत्ति, वास्तु शास्त्र के भेद, वास्तु शास्त्र के मानकग्रन्थों का परिचय।

Unit: II

Hour 11

पंचमहाभूतों का परिचय, वास्तुशास्त्र में पंचमहाभूतों की उपयोगिता, जलप्रबन्धन, सूर्यप्रकाशप्रबन्धन, वायुतत्त्वप्रबन्धन खिड़की, झरोखा (गवाक्ष) आकाश।

Unit: III

Hour 11

भूमि का प्लवत्व, भूमि की गुणवत्ता, शल्य विचार, भूखण्डचयनविधि, भूमि शोधन, भूमि के आकार-प्रकार, दिक् परिचय।

Unit: IV

Hour 11

वास्तुशास्त्र में पदविन्यास, ब्रह्मस्थान एवं उसका महत्त्व, वास्तु एवं पर्यावरण, वास्तु के अनुसार शुभाशुभ वृक्ष वनस्पतिप्रयोग।

Tutorial Activities

1. Chart Making
2. Group Discussion
3. Quiz
4. Case Study Analysis
5. Oral Presentation

Essential/Recommended Readings/Texts

1. वृहद्वास्तुमाला, रामनिहोरद्विवेदी द्वारा संगृहीत तथा हिन्दी भाषा में अनूदित। ब्रह्मानन्द णं - त्रिपाठी द्वारा संशोधित व सम्पादित चौखम्बा सुरभारती प्रकाशन, वाराणसी 1987.
2. बृहत्संहिता, व्याख्याकार, श्री अच्युतानन्द झा, चौखम्बा विद्याभवन, वाराणसी 1983.
3. Brhāt Samhitā Varāhamihir, (in two vols.) Edited with English Translation by M. Ramakrishna Bhat, Motilal Banarasidass, Delhi, 1995
4. Shukla, D.N. Vāstu-Śāstra, Hindu Science of Architecture (in two vols.), Shukla Printing Press, Lucknow, 1960
5. शुक्ल, द्विजेन्द्रनाथ, भारतीय वास्तुशास्त्र और प्रतिमा विज्ञान, लखनऊ 1967.
6. चतुर्वेदी, शुकदेव भारतीय वास्तुशास्त्र - वर्तमान सन्दर्भ में समग्र परिशीलन श्री लालबहादुरशास्त्री राष्ट्रीय संस्कृत विद्यापीठ ग्रन्थमाला, पुष्प-६६, नई दिल्ली 2004.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-3: Military System in Dharmaśāstras

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Military System in Dharmaśāstras	04	3	1	0	Nil	Nil

Learning Objectives

This course explores the military system as depicted in ancient Indian thought, with a focus on its presentation and interpretation within the framework of Dharmaśāstric treatises. Students will examine the role of warfare in ancient Indian society, the organization and training of armies, the ethical and moral considerations of war, and the relationship between military power and political authority.

Learning outcomes

1. Students will be able to explain the concept of "dharma-yuddha" and its significance in ancient Indian warfare.
2. They will be able to analyze the role of kingship and the duties of a warrior (Kshatriya) as outlined in Dharmaśāstric texts.
3. Students will be able to identify and describe key principles of military strategy and tactics as presented in ancient Indian texts.
4. Students will be able to critically assess the relevance and limitations of Dharmaśāstric perspectives on warfare in contemporary contexts.

Detailed Syllabus

Unit: I

Hour 11

War and Dharma

Dharma-yuddha: Philosophical underpinnings of warfare in ancient India

Role of kingship and the duties of a warrior (Kshatriya).

Unit: II

Hour 11

The art of war

Śāḍguṇya sidhhant

Saptang sidhhant

Dwadash prakriti

Mandala sidhhant

Unit: III

Hour 11

Components of Military

Different branches of the military: Infantry, cavalry, charioteers, elephant corps, horsemen, ancient weaponry and early forms of artillery.

Unit: IV

Border Security and Foreign Policies

Hour 12**Tutorial Activities**

1. Chart Making
2. Group Discussion
3. Quiz
4. Case Study Analysis
5. Oral Presentation

Essential/Recommended Readings/Texts

1. गैरोला, वाचस्पति.(2021). कौटिलीय-अर्थशास्त्रम्. चौखम्बा विद्याभवन, वाराणसी.
2. तिवारी, श्यामलेश कुमार.(2017). कौटिलीय अर्थशास्त्रम्. चौखम्बा सुरभारती प्रकाशन, वाराणसी
3. कौटिल्य अर्थशास्त्र संस्कृत टीका सहित, संपादक-टी. गणपतिशास्त्री, त्रिवेन्द्रम्
4. मिश्र, जगदीशचन्द्र.(2019). शुक्रनीति: भाग 1-2. चौखम्बा संस्कृत संस्थान, वाराणसी.
5. Chaudhary, R.K. - Kautilya's Political Ideas and Institutions, Chaukhamba S. Series Varanasi, 1971.
6. T. Ganpatishastri (2013) Arthashastra of Kautilya english translated by N.P Unni, New Bharatiya Book Corporation
7. Banerji, Sures Chandra. A brief history of Dharmaśāstra. Abhinav Publications, 1999.
8. Kangle, R.P. (2010) Kautilya Arthashastra, Motilal Banarasidas
9. Shamashastry, R. (2021) Kautilya's Arthashastra, Dev Publishers & Distributors
10. Kane, Pandurang Vaman. History of dharmaśāstra. Vol. 2. Poona: Bhandarkar Oriental Research Institute, 1973.
11. Olivelle, Patrick, and Donald Richard Davis, eds. Hindu law: a new history of Dharmaśāstra. Oxford University Press, 2018.
12. Buhler, G. Laws of Manu, (Reprint), MLBD, Delhi, 1964

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-3: Poetics in Purāṇas

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Poetics in Purāṇas	04	3	1	0	Nil	Nil

Learning Objectives

The purpose of this course is to familiarize the students with the important theoretical concepts of the poetics mentioned in Purāṇas.

Learning outcomes

After the completion of this course the students:

- will have a broad perspective of the field of famous concepts and their theories in Purāṇas.
- will be successful in applying this knowledge for critical analysis.

Detailed Syllabus

Unit: I

Hour 11

अग्निपुराण (अध्याय 337) : काव्य का महत्त्व, काव्यलक्षण, काव्यभेद, गद्यकाव्य के भेदोपभेद, पद्यकाव्य, महाकाव्य का स्वरूप

Unit: II

Hour 11

अग्निपुराण (अध्याय 339) : रस, स्थायी भाव, व्यभिचारी भाव, आलम्बन एवं उद्दीपन विभाव, नायक तथा नायिका के भेद और उनके गुण

Unit: III

Hour 11

विष्णुधर्मोत्तरपुराण (3.14) : अलङ्कारों के लक्षण – अनुप्रास, रूपक, यमक, व्यतिरेक, श्लेष, उत्प्रेक्षा, अर्थान्तरन्यास, उपन्यास, विभावना, अतिशयोक्ति, वार्ता, यथासंख्य, विशेषोक्ति, विरोध, निन्दास्तुति, निदर्शना और अनन्वय

Unit: IV

Hour 12

विष्णुधर्मोत्तरपुराण (3.15) : काव्य का स्वरूप, काव्य का शास्त्र तथा इतिहास से भेद, काव्य में रस की अनिवार्यता, रसों की संख्या

Tutorial Activities

- Text Reading & Annotation Workshops
- Descriptive Imagery Illustration Task
- Dialogue (Samvāda) Structural Analysis
- Bhakti as Aesthetic Mode Reflection
- Mini Research Presentation

Essential/Recommended Readings/Texts

Essential Readings:

1. अग्निपुराण – गीताप्रेस, गोरखपुर

2. विष्णुधर्मोत्तरपुराण – गायकवाड ओरियण्टल सीरीज, बडोदा
3. Agnipurana, Ed. Acarya Baladeva Upadhyaya, Varansi, 1967
4. Agnipurana, Anandasram Edition, Poona 1900
5. विष्णुधर्मोत्तरपुराण – भागीरथ प्रसाद त्रिपाठी, गङ्गानाथ झा ग्रन्थमाला, वाराणसी

Additional Resources:

1. Agnipurana, More Edition, Calcutta
2. Agnipurana, Hindi Tika Sahita, 1-2 Bhaga, Varanasi
3. कृष्णकुमार. अलंकारशास्त्र का इतिहास, साहित्य भण्डार, मेरठ
4. De, S.K. History of Sanskrit Poetics, K.L. Mukhopadhyay, Calcutta
5. Kane, P.V. History of Sanskrit Poetics, MLBD, Delhi

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-3: Web Publishing for Indian Languages

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Web Publishing for Indian Languages	04	3	1	0	Nil	Nil

Learning Objectives

This course introduces students to web publishing with a focus on Indian languages, equipping them with the technical and linguistic skills to create and manage multilingual websites. It covers web development basics, client-server architecture, responsive design, interactive features, and project-based learning. The course emphasizes handling Indian scripts, Unicode, and localization while ensuring accessibility and inclusivity.

Learning outcomes

By the end of this course, students will:

1. Understand the principles of web development and their application to Indian language websites.
2. Learn to use HTML, CSS, and JavaScript to create interactive and responsive web pages.
3. Integrate Indian language fonts, transliteration tools, and Unicode for multilingual websites.
4. Develop and deploy Indian language websites using frameworks, CMS, and hosting platforms.
5. Apply skills to real-world projects, creating functional websites for Indian audiences.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Web Development

- Basics of the Internet and Web Technologies: Understanding how websites work, client-server architecture, and domain names.
- HTML5 Basics:
 - Structuring web pages: Tags for formatting, lists, tables, images, and links.
 - Creating static web pages with Indian language content.
- CSS3 Basics:
 - Types of CSS: Inline, Internal, and External.
 - Styling text and elements in Indian languages.
 - Responsive design principles for Indian scripts.

Unit: II

Hour 11

JavaScript and Interactive Elements

- JavaScript Basics: Variables, functions, and events for interactive web elements.
- Adding Interactivity to Indian Language Websites:

- Pop-ups, form validations, and dropdowns.
- Embedding Indian language fonts and Unicode integration.
- Dynamic Features for Indian Language Websites:
 - Implementing transliteration tools and Indian text rendering.
 - Creating interactive menus and user input forms for multilingual content.

Unit: III**Hour 11****Advanced Concepts and Tools**

- Introduction to Frameworks:
 - Basics of Bootstrap for designing responsive Indian language websites.
- Content Management Systems (CMS):
 - Overview of CMS platforms (e.g., WordPress, Drupal) and their use for Indian languages.
- Basics of Hosting and Deployment:
 - Setting up websites on free hosting platforms.
 - Using FTP and version control for website management.
- Ethical Considerations:
 - Copyright, plagiarism, and open-source resources for Indian language content.

Unit: IV**Hour 12****Project-Based Learning**

- Creating a Basic Indian Language Website:
 - Developing a static website featuring Indian scripts, images, and multimedia content.
- Integration of Indian Language Tools:
 - Incorporating transliteration, referencing, and text-processing tools.
- Final Project:
 - Developing a functional web portal for an Indian language with interactive features such as search, navigation, and localized content.

Tutorial Activities

- Survey
- Project
- Discussion

Essential/Recommended Readings/Texts

1. W3C. HTML5 Specification. World Wide Web Consortium, 2023. <https://www.w3.org/TR/html52/>
2. W3C. CSS Cascading Style Sheets Level 3 (CSS3). World Wide Web Consortium, 2023. <https://www.w3.org/Style/CSS/>
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- 6. Mozilla Developer Network (MDN). CSS: Cascading Style Sheets. MDN Web Docs, 2024. <https://developer.mozilla.org/en-US/docs/Web/CSS>
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- 10. W3Schools. JavaScript Tutorial. W3Schools, 2024. <https://www.w3schools.com/js/>
- 11. Bootstrap Team. Bootstrap Documentation. v5.3, 2024. <https://getbootstrap.com/docs/5.3/>
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Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

GE-3: Linguistic Speculations in Sanskrit

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Linguistic Speculations in Sanskrit	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to present a bird's eye view of contributions of ancient Indians in the field of the philosophy language before the students from non-Sanskrit background. Besides an overview of the prominent figures in the field and of their linguistic contributions it is also the students envisaged that get to understand some important notions and views of ancient Indian language philosophers.

Learning outcomes

By the end of this course, students will:

- Acquire a historical overview of the prominent Acharyas of the philosophy of language belonging to the different schools of thought.
- Acquainted with some very important theories developed in Ancient India, regarding word, meaning, sentence and syntactic relationship etc.
- be able to critically evaluate the thought process of different philosophical schools casting effect on language philosophy.
- simultaneously get acquainted with heterodox and orthodox systems of Indian philosophy and their main a priori opinions.

Detailed Syllabus

Unit: I

Hour 11

Introduction of the Linguistics tradition

Prātiśākhya & Śikṣā
 Śākalya, Śākatāyana, Vyāḍi, Yāska, Pāṇini, Kātyāyana,
 Patañjali, Bhartṛhari, Kaiyaṭa, Nāgeśa, Kumārila, Prabhākara.

Unit: II

Hour 11

Vākyapadiya, Kāṇḍa 2, Kārikās 1-2 & 117-152,

8 definitions regarding the sentence

12 definitions regarding word-meaning, Pratibha's theory of meaning

Unit: III

Hour 11

Nyāyasiddhāntamuktāvalī-śhabdakhaṇḍa

Process of Sentence meaning, Functions of word- Abhidhā (Primary function of the word),

Means to śaktigraha, PadaPadartha
Instrumentals of Sentence meaning.

Unit: IV

Hour 12

Apoha Theory of Meaning
Abhihitānvayavāda and Anvitābhīdhānavāda
Theory of Sphoṭa and śabdabrahman.

Tutorial Activities

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension

Essential/Recommended Readings/Texts

1. न्यायसिद्धान्तमुक्तावली (सं.) विश्वनाथ पंचानन, कलकत्ता।
2. वाक्यपदीय, (सं.) के.ए. सुब्रमण्यम अय्यर, दिल्ली
3. अय्यर, के.ए.एस., भर्तृहरि की वाक्यपदीय, अनुवादित रामचन्द्र द्विवेदी, राजस्थान हिंदी अकादमी, जयपुर
4. कपिलदेव शास्त्री, वैयाकरणसिद्धान्तपरमळघुमंजुषा कुरुक्षेत्र
5. त्रिपाठी, रामसुरेश, संस्कृत व्याकरण-दर्शन, दिल्ली, 1972
6. द्विवेदी, कपिल देव अर्थशास्त्र और व्याकरण दर्शन, हिंदुस्तान अकादमी, इलाहाबाद
7. बिजल्वान, चक्रधर भारतीय न्यायशास्त्र, उत्तरप्रदेश हिन्दी संस्थान, लखनऊ
8. मिश्र, शोभाकान्त शब्दार्थतत्त्व, बिहार हिन्दी ग्रन्थ अकादमी, पटना, 1989
9. मीमांसक, युधिष्ठिर- संस्कृत व्याकरणशास्त्र का इतिहास, रामलाल कपूर ट्रस्ट, सोनीपत, 1984
10. शब्दार्थ मीमांसा, (हिन्दी अनुवाद: मिथिलेश चतुर्वेदी), सम्पूर्णनन्द संस्कृत विश्वविद्यालय, वाराणसी,
11. शुक्ल, बलराम. भारतीय और पश्चिमी वाक्यात्मक सिद्धांत. प्रतिभा प्रकाशन, दिल्ली, 2013
12. सोमवीर, भारतीय दर्शन में भाषा तत्त्व. परिमल प्रकाशन, दिल्ली, 2013
13. Iyer, K.A.S. The Vakyapadīya of Bhartrhari, Ch. II, Eng. Tr., Delhi, 1977
14. Kunjunni Raja, K., Indian Theories of Meaning, Adyar Library, Madras, 1964
15. Pandey, R.C., Problem of Meaning in Indian Philosophy, MLBD, Delhi, 1963
16. Sastri, Gaurinath, Philosophy of Word and Meaning, Sanskrit College, Calcutta
17. Matilal, Bimal Krishna, The Word and the World: India's Contribution to the Study of Language, Oxford University Press, London, 1990

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

GE-3: Outline of Culture & Civilization in Sanskrit Literature

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Outline of Culture & Civilization in Sanskrit Literature	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to acquaint the students with the knowledge of Indian culture and civilization as preserved in Sanskrit Literature. Special focus will be given on exploration of the social, political, religious and economic conditions of the Vedic, Ramayana, Mahabharata and Puranic period. The social institutions of ancient India like Varna, Ashrama, Purushartha, Samskaras system, Status of Women and Ancient Indian education System will also be specially highlighted. Origin, development and doctrines of the four major dharmas i.e. Shaivism, Vaishnavism, Buddhism and Jainism will also be focal point of the course.

Learning outcomes

By the end of this course, students will:

- know the various aspects of Indian culture and civilization of the Vedic period.
- Able to acquire the knowledge of the culture and civilization as reflected in the Ramayana, Mahabharata and Puranic literature.
- Gain the knowledge of the social institutions specially Varna, Ashrama, Purushartha and Samskara system Status of Women and Ancient Indian education system. In ancient India.
- Earn about the origin, development and doctrines of the four major dharmas: Shaiva, Vaishnava, Jainism and Buddhism.

Detailed Syllabus

Unit: I

Hour 11

Definition and Nature of Culture and Civilization
 Characteristics of Ancient Indian Culture and Civilization
 Social, Political, Economic and Religious Systems of the Vedic Period (Rigvedic Period)
 Social, Political, Economic and Religious Systems of the Post Vedic Period

Unit: II

Hour 11

Social, Political, Economic and Religious Systems of the Ramayana Period
 Social, Political, Economic and Religious Systems of the Mahabharata Period
 Social, Political, Economic and Religious Systems of the Pauranic Period

Unit: III**Hour 11****Social Institutions of Ancient India (Dharmashastra Period)**

Varna System

Ashrama System

Purusharthsa

Sanskar

Ancient Indian Education System and Educational Institutes

Unit: IV**Hour 12**

Origin, Development and Major Theories of the following Sampradayas

Shaiva

Vaishnava

Jain

Bauddha

Tutorial Activities

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension

Essential/Recommended Readings/Texts

1. उपाध्याय, रामजी. भारतस्य सांस्कृतिक-निधिः, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली ।
2. अल्लेकर, एस. प्राचीन भारत में शिक्षा, दिल्ली ।
3. उपाध्याय, बलदेव. वैदिक साहित्य और संस्कृति, शारदा मंदिर, वाराणसी ।
4. उपाध्याय, रामजी. भारतीय संस्कृति का उत्थान, चौखम्बा विद्याभवन, वाराणसी ।
5. काणे, पीवी. धर्मशास्त्र का इतिहास, उत्तर प्रदेश, हिन्दी संस्थान, लखनऊ ।
6. कोसम्बी, डीडी. प्राचीन भारत की संस्कृति और सभ्यता, राजकमल प्रकाशन, नई दिल्ली ।
7. गोयल, प्रीतिप्रभा. भारतीय संस्कृति, राजस्थानी ग्रन्थागार, जयपुर ।
8. जायसवाल, सुवीरा. (2004). वर्णजातिव्यवस्था: उद्भव, प्रकार्य और रूपान्तरण, ग्रन्थशिल्पी, दिल्ली ।
9. ज्ञानी, शिवदत्त. भारतीय संस्कृति, राजकमल प्रकाशन, दिल्ली ।
10. टण्डन, किरण. भारतीय संस्कृति, ईस्टर्न बुक लिक्र्स, दिल्ली ।
11. दिनकर, रामधारी सिंह. संस्कृति के चार अध्याय, लोकभारती प्रकाशन, इलाहाबाद ।
12. पाण्डेय, राजबली. हिन्दू संस्कार, चौखम्बा, दिल्ली ।
13. बाशम, एएल. अद्भुत भारत, शिवलाल अग्रवाल एण्ड कम्पनी, आगरा ।
14. भण्डारकर, आरजी. वैष्णव, शैव और अन्य धार्मिक मत, अनुवाद - माहेश्वरी प्रसाद, भारतीय विद्या प्रकाशन, दिल्ली ।
15. यदुवंशी. (1955). शैव मत, बिहार राष्ट्रभाषा परिषद्, पटना ।
16. राधाकृष्णन्, सर्वपल्ली. भारतीय संस्कृति: कुछ विचार, राजपाल प्रकाशन, दिल्ली ।
17. श्रीमाली, कृष्णमोहन. धर्म, समाज और संस्कृति, ग्रन्थशिल्पी प्राइवेट लिमिटेड, दिल्ली ।

18. श्रीवास्तव, केसी. प्राचीन भारत का इतिहास तथा संस्कृति, यूनाईटेड बुक डिपो, इलाहाबाद, उत्तर प्रदेश ।
19. सिंह, राजकिशोर. भारतीय संस्कृति, विनोद पुस्तक मन्दिर, आगरा ।
20. हुसैन, एस आबिद. भारत की राष्ट्रीय संस्कृति, नेशनल बुक ट्रस्ट, नई दिल्ली ।
21. चौबे, अर्जुन काश्यप (अनुवा.) (1992), काणे, पी.वी. धर्मशास्त्र का इतिहास (प्रथम भाग), उ.प्र. हिन्दी संस्थान, उ.प्र. ।
22. Acharya, PK, Glories of India
23. Altekar, AS, Education in Ancient India, Delhi.
24. Altekar, AS, Position of Women in Hindu Civilization, MLBD, Delhi.
25. Basham, AL, The Wonder that was India, London.
26. Bhandarkar, RG, Vaishnavism, Shaivism and minor Religious Systems, Delhi.
27. Dandekar, RN, Vedic Religion & Mythology: A Survey of the Works of Some Western Scholars, University of Poona, Poona, 1965.
28. De Bary, Theodore, Sources of Indian Tradition, MLBD, Delhi & others 2nd ed., 1963.
29. Kane, PV, History of Dharmashastra, Vol. II, BORI, Poona.
30. Majumdar, RC, Ancient India, Delhi.
31. Mookerjee, RK, Ancient Indian Education, MLBD, Delhi.
32. Nehru, Jawaharlal, The Discovery of India, Penguin Books, New Delhi.
33. Sacchidanandamurty, Life, Thought and Culture in India (AD 300-1000) PHISPC, Vol. II, Pt. 1 (MLBD, Delhi).
34. Vaidya, CV, Epic India, Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

GE-3: Sanskrit Inscriptions of Early India: Mauryan to Harsha Period

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sanskrit Inscriptions of Early India: Mauryan to Harsha Period	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to introduce students with a comprehensive understanding of the historical, cultural and religious significance of Sanskrit inscriptions. Students will learn about early scripts and the different types of inscriptions, including pillar, rock, stupa, copper-plate and donative records. Through the study of Aśokan edicts, Mauryan and Post-Mauryan Buddhist inscriptions, Gupta-period records and Post-Gupta to Harsha inscriptions, students will analyse the evolution of epigraphical styles, royal patronage, socio-political structures and the rise of Buddhism.

Learning outcomes

By the end of this course, students will:

- Identify and describe early scripts, languages and types of Sanskrit inscriptions.
- Analyse Aśokan records and inscriptions for their historical, religious and artistic significance.
- Examine Mauryan, Post-Mauryan and Gupta inscriptions to understand political developments and the spread of Buddhism.
- Evaluate Post-Gupta and Harsha-period inscriptions to trace royal patronage, political, cultural, societal and administrative practices.

Detailed Syllabus

Unit: I

Hour 11

Introduction of the Linguistics tradition

- Meaning and importance of inscriptions.
- Early scripts and languages.
- Types of inscriptions.
- Aśokan edicts and the Lion Capital.

Unit: II

Hour 11

- Hathibada Ghosundi Inscriptions.
- Ayodhya Inscription of Dhanadeva.
- Junagarh Rock Inscription of Rudradamana.
- Nanaghat Inscription of Naganika.
- Mathura Inscriptions.

Unit: III**Hour 11**

- Prayag Prashasti.
- Mehrauli Iron Pillar.
- Udaigiri Inscriptions.
- Sanchi Stupa Donor Inscriptions

Unit: IV**Hour 12**

- Maukhari Inscriptions.
- Maitraka Inscriptions.
- Banskhera and Madhubani Copper Plate of Harshavardhana.
- Nidhanpur Copper Plate of Kamarupa.

Tutorial Activities

- Learning of dating systems and chronology
- Study of dynastic lineage and genealogy
- Knowledge of geographical location and mapping
- Study of scripts, language and palaeography

Essential/Recommended Readings/Texts

1. गुप्त, परमेश्वरीलाल (सं). प्राचीन भारत के प्रमुख अभिलेख (खण्ड 1). विश्वविद्यालय प्रकाशन, वाराणसी, 2012.
2. ऋषि, उमाशंकर. अभिलेख रत्नमाला. नागरी प्रचारिणी सभा, वाराणसी, 1984.
3. सहाय, शिवस्वरूप. भारतीय पुरालेखों का अध्ययन. मोतीलाल बनारसीदास, दिल्ली, 2008.
4. सैनी, रणजीत सिंह. अभिलेखमञ्जूषा. न्यू भारतीय बुक कार्पोरेशन, दिल्ली, 2000.
5. श्रीवास्तव, के. सी. प्राचीन भारत का इतिहास तथा संस्कृति. यूनाइटेड बुक डिपो, इलाहाबाद, 2022.
6. वाजपेयी, कृष्णदत्त. ऐतिहासिक भारतीय अभिलेख. जयपुर, 2018.
7. Fleet, John Faithfull. Corpus Inscriptionum Indicarum, Vol. III: Inscriptions of the Early Gupta Kings and Their Successors. Superintendent of Government Printing, Calcutta, 1888.
8. Goyal, S.R. Buddhist Epigraphy of Early India. Kusumanjali Book World, Jodhpur, 2005.
9. Sircar, D.C. Select Inscriptions Bearing on Indian History and Civilization. University of Calcutta, Calcutta, 1965; 2nd ed. Motilal Banarsidass, Delhi, 1983.
10. Thaplyal, Kiran Kumar. Inscriptions of the Maukharis, Later Guptas, Pushyabhutis and Yashovarman of Kannauj. Indian Council of Historical Research, Delhi, 1985.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

GE-3: भारतीय आदर्शचरित

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
भारतीय आदर्शचरित	04	3	1	0	Nil	Nil

Learning Objectives

The aim of the course is to bring to the light the lives and contributions made by the unsung heroes of Bharata and underline the sacrifices of our fore-generations to reassert Bharata from the shackles of mental, physical, social and psychological oppression to achieve the due status.

Learning outcomes

- After studying the course, the learners will be able to
- Know the true life stories of our unsung heroes
- Understand the contribution and the extent of their sacrifices
- Be inspired to take the lead to correct the wrongs

Detailed Syllabus

Unit: I

Hour 11

भारत के अविदित वीर – आदर्शचरित

वीरभूमि भारत

वेदों में वीर, विविध अर्थ, इन्द्र का पराक्रम,

यम-नचिकेता संवाद (कठोपनिषद्), हरिश्चन्द्र-रोहित संवाद (ऐतरेय ब्राह्मण 3.3)

आर्षकाव्य एवं पुराणों में वीरचरित – शिव, दुर्गा, परशुराम, राम, कृष्ण, बलराम, हनुमान, बाली, घटोत्कच

अशोक, चन्द्रगुप्त, रुद्रदमन्

Unit: II

Hour 11

भारतीय मध्यकालीन आदर्श

हेमू, गुर्जर-प्रतिहार, चालुक्य, राष्ट्रकूट, पाल, चोल, कल्चुरी, होयसल, काकतीय, अहोम

पृथ्वीराज चौहान

Unit: III

Hour 11

स्वराजसंघर्ष के वीर पुरोधा

जीजाबाई, छत्रपति शिवाजी, महाराणा प्रताप,

वीर सावरकर, रानी गाइदिन्ल्यू, अल्लूरी सीताराम राजू, बेगम हजरत महल, बिरसा मुंडा, कनकलता बरुआ और

झलकारी बाई.

Unit: IV

Hour 12

साम्प्रतिक भारत—आदर्श

भगतसिंह, राजगुरु, सुखदेव, राम प्रसाद बिस्मिल, अश्फाक उल्लाह खान, दुर्गा भाभी
लालबहादुर शास्त्री,

Tutorial Activities

- Character Virtue Mapping Exercise
- Rasa & Bhāva Analysis
- Dialogue Reenactment / Dramatic Reading
- Group Seminar on “Ādarśa vs. Vāstavikata”
- Mini Research Assignment

Essential/Recommended Readings/Texts

1. राजबली पाण्डेय, भारतीय संस्कृति

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Skill Based Course (SBC): Any 01 from pool Credits 02

Any one of the following SBC-3 pools

SBC-03 : Vaidika Yajña & Karmakāṇḍa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vaidika Yajña & Karmakāṇḍa	02	1	0	1	Nil	Nil

Learning Objectives

The objective of this course is to provide an understanding of Śrauta Yajñas and Smārta Yajñas, their significance, and procedural differences. It aims to explore the rituals of Pañcāṅga Pūjana Vidhi and its role in Hindu worship. The study includes Pañca Bhū Saṁskāra Vidhi, emphasizing its purificatory aspects in Vedic traditions. Additionally, it covers Kuśa Kaṇḍikā Vidhi, explaining its importance in ritualistic practices. Overall, the course seeks to develop a comprehensive knowledge of Vedic Yajñas and their role in religious and social life.

Learning outcomes

After completion of this course the students :

- will be able to distinguish between Śrauta and Smārta Yajñas with their procedural differences.
- will demonstrate practical knowledge of Pañcāṅga Pūjana and its religious significance.
- will establish the importance of Pañca Bhū Saṁskāra in Vedic rituals.
- will be able to perform and explain the Kuśa Kaṇḍikā Vidhi effectively.
- will be able to present the significance of Karmakāṇḍa (rituals) described in in Vedic tradition.

Detailed Syllabus

Unit: I

Śrauta and Smārta Yajña : Introduction, purpose and process.

Pañcāṅgapūjanavidhi, Pañcabhūsaṁskāra and Kuśakaṇḍikāvidhi.

Hour 15

Unit: II

Practical aspects of Pañcāṅgapūjanavidhi, Pañcabhūsaṁskāra and Kuśakaṇḍikāvidhi

Hour 15

Practical Aspects

- Doubt solving classes.
- Development of writing and reading skills in Sanskrit.
- Practice of processes of different Vaidika Yajna.
- Practice of different diagrams of Yajurvedies

- Practice of Pūjanavidhi, Bhūsaṃskāra and Kuśakaṇḍikāvidhi

Essential/Recommended Readings/Texts

1. मिश्रो, वायुनन्दनः. प्रतिष्ठाहोदधिः. वाराणसी: मास्टरखेलाडीलालसंकटाप्रसादः प्रकाशनम्, 1995.
2. Apte, V. S. Śrautayajñaprakaraṇam. Varanasi: Chaukhamba Sanskrit Series, 1962.
3. Bhatt, N. S. Smārtayajñapaddhatiḥ. Delhi: Rashtriya Sanskrit Sansthan, 1985.
4. Sharma, R. K. Pañcāṅgapūjanavidhiḥ: Vedic Rituals and Worship. Varanasi: Chaukhamba Surbharati Prakashan, 2001.
5. Trivedi, K. Pañcabhūsaṃskāraavidhiḥ. Pune: Bhandarkar Oriental Research Institute, 1995.
6. Mishra, H. Kuśakaṇḍikāvidhiḥ: A Vedic Perspective. Varanasi: Sampurnanand Sanskrit University, 2010.
7. दवे, गंगाधर शास्त्री, वैदिक यज्ञ एवं कर्मकाण्डः एक अध्ययन. वाराणसी: चौखम्बा विद्याभवन, 2005.
8. शास्त्री, रामकुमार, श्रौत-स्मार्त यज्ञ परम्परा. दिल्ली: मोतीलाल बनारसीदास, 1998.
9. उपाध्याय, हर्षनाथ, पञ्चाङ्ग पूजन एवं पञ्चभू संस्कार विधि. प्रयागराजः गीता प्रेस, 2015.
10. जोशी, गोविंदनाथ, कुशकंडिका विधि एवं वैदिक आचारा जयपुरः संस्कृत साहित्य प्रकाशन, 2007.
11. मिश्रा, वासुदेव, वैदिक कर्मकाण्ड का तात्त्विक विवेचन। वाराणसी: चौखम्बा ओरियण्टलिया, 2012.

Additional Readings:

1. कात्यायनयज्ञपद्धतिविमर्शः, केन्द्रियसंस्कृत-विश्वविद्यालयः, दिल्ली
2. उपाध्याय, बलदेव – संस्कृत वाङ्मय का बृहद् इतिहास – द्वितीय भाग (वेदाङ्ग) – उत्तर प्रदेश संस्कृत संस्थान, लखनऊ
3. द्विवेदी, कपिलदेव - वैदिक साहित्य एवं संस्कृति, विश्वविद्यालय प्रकाशन, वाराणसी, पंचम संस्करण २०१०.
4. पं भगवदत्त – वैदिक वाङ्मय का इतिहास - खण्ड 1-3, परिवर्धक तथा सम्पादक – सत्यश्रवा एम. ए., विजय कुमार गिबिन्दराम हासानन्द, दिल्ली, २००८.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

SBC-3: Identification of Śabdaśakti

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Identification of Śabdaśakti	02	1	0	1	Nil	Nil

Learning Objectives

The objective of this course is identification of Śabdaśakti in texts prescribed in the syllabus.

Learning outcomes

After the completion of this course the students will:

- able to identification the Abhidhā and Lakṣaṇā in prescribed texts of syllabus.
- able to identify the Vyañjanā in prescribed texts of syllabus.

Detailed Syllabus

Unit: I

Hour 15

Identifying the Abhidhā and Lakṣaṇā in the texts prescribed in the syllabus.

Unit: II

Hour 15

Identifying the Vyañjanā in the texts prescribed in the syllabus.

Practical Activities

- Direct vs. Implied Sense Sorting
- Verse Analysis for Vyañjanā (Dhvani Detection)
- Create Your Own Lakṣaṇā Examples
- Real-Life Usage Observation

Essential/Recommended Readings/Texts

Essential Reading:

1. काव्यप्रकाश - मम्मट, (व्या.) आचार्य विश्वेश्वर, ज्ञानमण्डललिमिटेड, वाराणसी
2. काव्यप्रकाश - मम्मट, (व्या.) श्रीनिवास शास्त्री, साहित्य भण्डार, मेरठ
3. साहित्यदर्पण – विश्वनाथ. (व्याख्याकार) निरूपण विद्यालंकार, साहित्य भण्डार, मेरठ
4. साहित्यदर्पण – विश्वनाथ. (व्याख्याकार) शालिग्राम शास्त्री, मोतीलाल बनारसीदास, दिल्ली

Additional Readings:

1. चौधरी सत्यदेव - काव्यशास्त्र के परिदृश्य, परिमल पब्लिकेशन्स, दिल्ली।
2. Raghavan V. and Nagendra - An Introduction to Indian Poetics, Macmillan and Company Limited, Madras.
3. De, S.K. - History of Sanskrit Poetics, K.L. Mukhopadhyay, Calcutta

4. Kane, P.V. - History of Sanskrit Poetics, MLBD, Delhi

5. Raghavan, V. - Studies on Some Concepts of Alamkāraśāstra, Adyar Library, Madras

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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SBC-3: Computational Techniques in Sanskrit Research

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computational Techniques in Sanskrit Research	02	1	0	1	Nil	Nil

Learning Objectives

This course is designed to introduce computational methods and tools essential for modern research methodology. Students will learn effective web search techniques, reference management styles, and the use of computational tools to enhance research efficiency and accuracy. The course emphasizes practical application to streamline literature review, citation management, and data organization.

Learning outcomes

By the end of this course, students will be able to:

- Employ advanced web search techniques for efficient literature review.
- Differentiate between various reference styles and apply them appropriately.
- Use computational tools for citation management and research organization.
- Enhance research workflows through the integration of technology.
- Build a strong foundation in computational methods for academic and professional research.

Detailed Syllabus

Unit: I

Hour 15

Web Search Techniques

- Introduction to web search strategies for academic research.
- Using search engines effectively: Google Scholar, JSTOR, etc.
- Boolean operators, filters, and advanced search techniques.
- Identifying credible sources and avoiding predatory journals.
- Best practices for organizing and saving search results.

Unit: II

Hour 15

Reference Styles and Computational Tools

- Overview of common reference styles: APA, MLA, and Chicago.
- Using citation management tools: Zotero, Mendeley, EndNote.
- Integrating citations and references into research writing.
- Computational tools for research: plagiarism detection software, text analysis tools, and reference generators.

Practical Activities

- Sandhi-Splitting & Morph Analysis

- Corpus Search & Occurrence Analysis
- Chandas Identification with Software
- OCR of a Manuscript Page
- Computational Comparison of Two Recensions

Essential/Recommended Readings/Texts

1. Subhash Chandra (2021). भाषासंगणन (Language Computing), Upasana Publications, New Delhi, India, ISBN: 978-93-87677-05-0.
2. Subhash Chandra (2017). मशीनी अनुवाद (Machine Translation) यूजीसी सीबीसीएस स्कीम के तहत बीए (संस्कृत) के एईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित. Vidya Nidhi Prakashana, New Delhi, India, ISBN 978-93-85539-52-
3. A. Web Search Techniques and Academic Research
4. Both, Wayne C., Gregory G. Colomb, and Joseph M. Williams. The Craft of Research. University of Chicago Press, 2016.
5. Hart, Chris. Doing a Literature Review: Releasing the Research Imagination. SAGE Publications, 2018.
6. Google Scholar. Advanced Scholar Search Help. <https://scholar.google.com>
7. UGC-CARE. Reference List of Quality Journals. <https://ugccare.unipune.ac.in>
8. COPE (Committee on Publication Ethics). Ethical Guidelines for Journal Evaluation. <https://publicationethics.org>
9. B. Reference Styles and Academic Writing
10. American Psychological Association. Publication Manual of the APA. 7th ed., APA, 2020.
11. Modern Language Association. MLA Handbook. 9th ed., MLA, 2021.
12. Turabian, Kate. A Manual for Writers of Research Papers, Theses, and Dissertations. University of Chicago Press, 2018.
13. Chicago Manual of Style. Chicago Manual of Style Online. <https://www.chicagomanualofstyle.org>
14. C. Citation Management and Research Tools
15. Zotero Documentation. Zotero User Guide. <https://www.zotero.org/support/>
16. Mendeley Support. Reference Manager Guide. <https://www.mendeley.com>
17. EndNote. EndNote Training and Resources. <https://endnote.com>
18. Turnitin. Academic Integrity and Plagiarism Prevention Resources. <https://turnitin.com>
19. Voyant Tools. Text Analysis Suite. <https://voyant-tools.org>
20. D. Computational and Sanskrit Research Resources
21. Huet, Gérard. Sanskrit Heritage Platform. <https://sanskrit.inria.fr>
22. Digital Corpus of Sanskrit (DCS). <https://www.sanskrit-corpus.uni-koeln.de>
23. GRETEL. Göttingen Register of Electronic Texts in Indian Languages. <https://gretel.sub.uni-goettingen.de>
24. Shodhganga. Indian Theses Repository. <https://shodhganga.inflibnet.ac.in>
25. Department of Sanskrit, University of Delhi: Computational Linguistics Lab
26. <https://cl.sanskrit.du.ac.in>
27. Centre of Sanskrit Studies, Jawaharlal Nehru University
28. <https://sanskrit.jnu.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

SBC-3: Advance Practices in Vāstuśāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Advance Practices in Vāstuśāstra	02	1	0	1	Nil	Nil

Learning Objectives

Aims to equip students with the knowledge and skills to:

- Apply Advanced Vastu Principles: Apply advanced Vastu principles in complex architectural designs and layouts.
- Analyze Energy Patterns: Analyze and balance energy patterns in buildings and spaces to optimize occupant well-being.
- Design Remedies: Design and implement Vastu remedies for complex problems, including those related to health, wealth, and relationships.

Learning outcomes

By the end of this course, students will be able to:

- To learn advanced Vastu principles and their application in complex architectural designs and layouts.
- To develop skills to analyze and balance energy patterns in buildings and spaces to optimize occupant well-being.
- To design and implement Vastu remedies for complex problems, including those related to health, wealth, and relationships.
- To develop expertise in conducting advanced Vastu audits and providing expert guidance on Vastu compliance and optimization.

Detailed Syllabus

Unit: I

Hour 15

- वास्तुशास्त्र की उत्पत्ति, वास्तु शास्त्र के भेद, पंचमहाभूतों का परिचय, वास्तुशास्त्र में पंचमहाभूतों की उपयोगिता, जलप्रबन्धन।
- सूर्यप्रकाशप्रबन्धन, वास्तुशास्त्र में पदविन्यास, ब्रह्मस्थान एवं उसका महत्त्व।

Unit: II

Hour 15

- भूमि का प्लवत्व, भूमि की गुणवत्ता, शल्य विचार, भूखण्डचयनविधि, भूमि शोधन, भूमि के आकार-प्रकार, दिक् परिचय।
- वास्तु एवं पर्यावरण, वास्तु के अनुसार शुभाशुभ वृक्ष वनस्पतिप्रयोग।

Practical Activities

- Textual Interpretation and Translation Workshop
- Site Orientation and Layout Analysis (Pāda-vinyāsa)
- Case Study: Traditional Indian Structures
- Group Discussion

Essential/Recommended Readings/Texts

1. बृहद्वास्तुमाला, रामनिहोरद्विवेदी द्वारा संगृहीत तथा हिन्दी भाषा में अनूदिताडॉ. ब्रह्मानन्द त्रिपाठी द्वारा संशोधित व सम्पादित, चौखम्बा सुरभारती प्रकाशन, वाराणसी 1987.
2. बृहत्संहिता, व्याख्याकार, श्री अच्युतानन्द झा, चौखम्बा विद्याभवन, वाराणसी 1983.
3. Brhāt Samhitā Varāhamihir, (in two vols.) Edited with English Translation by M.
4. Ramakrishna Bhat, Motilal Banarasidass, Delhi, 1995
5. Shukla, D.N. Vāstu-Śāstra, Hindu Science of Architecture (in two vols.), Shukla
6. Printing Press, Lucknow, 1960
7. शुक्ल, द्विजेन्द्रनाथ, भारतीय वास्तुशास्त्र और प्रतिमा विज्ञान, लखनऊ, 1967.
8. चतुर्वेदी, शुकदेव, भारतीय वास्तुशास्त्र - वर्तमान सन्दर्भ में समग्र परिशीलन श्री लालबहादुरशास्त्री राष्ट्रीय
9. संस्कृत विद्यापीठ ग्रन्थमाला, पुष्प-66, नई दिल्ली, 2004.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

SBC-3: Reading Skills in Brahmi and Sharda Scripts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Reading Skills in Brahmi and Sharda Scripts	02	1	0	1	Nil	Nil

Learning Objectives

This paper aims to help students learn the basic forms of the Brahmi and Sharda scripts and understand how to read simple texts written in them. It introduces the main features of both scripts in an easy way and gives students practice in reading, writing and identifying letters. The course also helps students do basic transcription and transliteration so they can work with simple inscriptions and manuscript passages. Overall, it builds confidence and gives a clear foundation for further study of ancient scripts.

Learning Outcomes

By the end of this course, students will be able to:

- Recognise the basic letters and common signs of Brahmi and Sharda scripts.
- Read simple words and short passages written in these scripts.
- Understand the main features and forms of both scripts.
- Do basic transcription and transliteration into Devanagari or Roman.
- Identify simple inscriptional and manuscript examples in Brahmi and Sharda.
- Gain confidence to study more advanced script materials in the future.

Unit-wise Syllabus

Unit I: Brahmi Script

Hours-15

- Introduction to Brahmi script
- Basic features and letter forms

- Reading simple Brahmi texts
- Practice in transcription

Unit II: Sharda Script

Hours-15

- Introduction to Sharda script
- Basic features and letter forms
- Reading simple Sharda texts in manuscripts
- Practice in transcription and transliteration in manuscripts

Practical Activities

- Reading of Sharda Script
- Writing in Sharda Script

Essential/Recommended Readings/Texts

Essential Readings:

1. ओझा, गौरीशंकर हीराचंद. भारतीय प्राचीन लिपिमाला. जोधपुर, राजस्थानी ग्रन्थागार, 2024.
2. पाण्डेय, राजबली. भारतीय पुरालिपि. मोतीलाल बनारसीदास, दिल्ली, 1957.
3. वशिष्ठ, रविन्द्र. अभिलेख प्रवेशिका. आर्यन बुक्स इंटरनेशनल, नई दिल्ली, 2008.
4. Bühler, George. Indian Palaeography. 1896.
5. Dani, Ahmad Hasan. Indian Palaeography. Clarendon Press, Oxford, 1963.
6. Fleet, J.F. Corpus Inscriptionum Indicarum. Government of India Press, Calcutta, 1888.
7. Pandey, G.C. Sharada Lipi.
8. Sircar, D.C. Indian Epigraphy. Motilal Banarsidass, Delhi, 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

SBC-3: Nāṭya-Lekhana-Kalā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Nāṭya-Lekhana-Kalā	02	1	0	1	Nil	Nil

Learning Objectives

Introduce students to the practical dimensions of Sanskrit dramaturgy and Develop skill in structuring dramatic plots according to Nāṭyaśāstra and Daśarūpaka. To train students in writing dialogues consistent with character (पात्रानुरूपता) and rasa. Enable students to compose short dramatic scripts in Sanskrit. Familiarize students with stage conventions (अङ्क, प्रवेश, निष्क्रमण, अर्थोपक्षेपक आदि सूचनाएँ). Encourage creative adaptation of classical models to contemporary themes.

Learning outcomes

By the end of this course, students will be able to:

- Design a dramatic plot using arthaprakṛtis, sandhis, avasthās and Arthopk/Sepaka.
- Differentiate and apply structural features of various rūpakas (Nāṭaka, Prakaraṇa, Bhāṇa, etc.).
- Compose effective Sanskrit dialogues reflecting rasa and bhāva.
- Develop character profiles based on nāyaka–nāyikā typology.
- Write a complete short Sanskrit dramatic script (1–2 acts).
- Prepare a script suitable for stage performance or academic production.
- Apply dramaturgical theory in creative literary production.

Detailed Syllabus

Unit: I

Hour 15

Theoretical Foundations for Script Writing

Essentials of Nāṭyaśāstra relevant to script writing

Structure of a Sanskrit play

- Nāndī
- Prastāvanā
- Viṣkambhaka
- Aṅka division

Itivṛtta (Plot construction)

- Arthaprakṛtis (बीज, बिन्दु, पताका, आदि)
- Sandhi and Sandhyanga
- Avasthās (आरम्भ-फलागम)

Daśarūpaka and classification of dramatic forms

- Nāṭaka

- Prakaraṇa
- Bhāṇa
- Vithī
- Other minor rūpakas

Character construction

- Nāyaka-bheda
- Nāyikā-bheda
- Vidūṣaka and supporting characters

Rasa–Bhāva application in script writing

- Analysis of selected scenes from classical plays
- (e.g., Abhijñānaśākuntalam, Mṛcchakaṭikam, Uttaraṛāmacaritam).

Unit: II

Hour 15

Practical Script Writing

Theme selection (mythological / social / contemporary adaptation)

- Plot design
- Writing Nāndī and Prastāvanā
- Dialogue composition practice
- Scene construction and dramatic sequencing
- Stage directions in Sanskrit
- Editing and refinement of script
- Final Practical Assignment:
- Writing a short Sanskrit dramatic script (minimum 500–800 lines or 1–2 acts).

Practical Activities

- Writing a short Sanskrit dramatic script (minimum 500–800 lines or 1–2 acts).

Essential/Recommended Readings/Texts

1. संस्कृतनाटयः अभिनय एवं पटकथा-लेखन, मीरा द्विवेदी, परिमल पब्लिकेशन्स, 2018
2. नाट्यशास्त्र विश्वकोष प्रथमभाग – राधावल्लभत्रिपाठी, भारतीय बुक कारपोरेशन, नईदिल्ली, 2012
3. नाट्यदर्शन संगीता गुन्देचा, संगीत नाटक अकादमी, , नईदिल्ली, 2023
4. जगदीशचंद्र माथुर : परम्पराशील नाट्य , बिहारराष्ट्र भाषा परिषद्
5. श्याम परमार : लोकधर्मी नाट्यपरंपरा; हिन्दी प्रचारक पुस्तकालय
6. शैलेंद्रकुमार शर्मा : मालवा का लोक नाट्य माच और अन्य विधाएँ, अंकुर मंच, उज्जैन
7. दशरूपकम् साहित्यशास्त्रसमुच्चय भाग 4 सम्पा-रेवाप्रसाद द्विवेदी, सदाशिव कुमार द्विवेदी, प्रकाशक कालिदास संस्थान, वाराणसी, 2019
8. धनञ्जय दशरूपकम् (अवलोक सहित) , अनु० रामजी उपाध्याय, भारतीयविद्यासंस्थान, वाराणसी, 2000
9. Dhananjaya. Dashrupa with avloka , Ed. F.E. Hall , the Asiatic society, culcutta, 1865

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Semester IV**Credit 22****1. Discipline Specific Course (DSC):****Total 03****DSC-9: Sanskrit Grammar: Laghusiddhāntakaumudī-2****Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sanskrit Grammar: Laghusiddhāntakaumudī-2	04	3	1	0	Nil	Nil

Learning Objectives

This course intends to equip the students with the knowledge of derivational processes of some basic Sanskrit Morphological words, based on the selected portions from the sections of declension and conjugation Pāṇinīan Sūtras as presented in the premier text of Laghusiddhantkaumudī. One of the important objectives of this course is to make the students acquainted with the techniques of Pāṇinīan grammar that will enable them to pursue the grammar of Pāṇinī on their own.

Learning outcomes

After the completion of this course the students will:

- know the structure of Aṣṭādhyāyī along with the operational techniques of Pāṇini. This will enable them to understand the Sūtras of Pāṇinī without any derivational problem or syntactic gap.
- know the process of deriving the nominal forms under Pāṇini's system. The learning of the derivational processes of the selected representative nominal words from all genders will give the students a thorough idea of Sanskrit declensions.
- equipped with the knowledge of the techniques of conjugation of Sanskrit roots, belonging to various Gaṇas.
- gain the knowledge of conjugating the prefixed roots of Sanskrit denoting various senses, e.g.- desiderative, causative, and intensive etc.
- know the application of Pāṇini's Metarules, which will enable them to understand the techniques of the Indian Grammatical system in general.

Detailed Syllabus**Unit: I****Hours: 11****Laghusiddhāntakaumudī: kṛdantaprakaraṇā**

Kṛtya prakaraṇa

Pūrva kṛdanta

Unit: II**Hours: 12****Laghusiddhāntakaumudī: samāsaprakaraṇā**

Avyayībhāva

Tatpuruṣa

Bahubrīhi

Dvandva

Unit: III**Hours: 11****Laghusiddhāntakaumudī: taddhitaprakaraṇā**

Tvāloradhikāra

Matvarthīya pratyaya

Unit: IV**Hours: 11****Laghusiddhāntakaumudī: stripratyaya****Tutorial Activities**

1. Learning of Derivational of kṛdanta
2. Learning of Derivational of samāsa
3. Learning of Derivational of taddhita
4. Learning of Derivational of stripartaya
5. Understanding and Applications of kṛdanta and samāsa forms

Essential/Recommended Readings/Texts**Essential Readings:**

1. लघुसिद्धान्तकौमुदी, गीताप्रेस, गोरखपुर।
2. लघुसिद्धान्तकौमुदी, निर्णयसागरप्रेस, मुम्बई।

Additional Resources:

1. शास्त्री, भीमसेन, लघुसिद्धान्तकौमुदी, भैमी व्याख्या, भाग 1-6, भैमी प्रकाशन, दिल्ली।
2. कुशवाहा, महेशसिंह, लघुसिद्धान्तकौमुदी, भाग 1-2, चौखम्बा-दिल्ली।
3. शर्मा, गोविन्दप्रसाद. 2007. लघुसिद्धान्तकौमुदी, भाग 1-3, चौखम्बा प्रतिष्ठान-दिल्ली।
4. शास्त्री, धरानन्द. लघुसिद्धान्तकौमुदी, मूल व हिन्दी व्याख्या, मोतीलाल बनारसी दास दिल्ली।
5. सिंह, सत्यपाल. 2014. लघुसिद्धान्तकौमुदी, शिवालिक प्रकाशन-दिल्ली।
6. गौड़, विशनलाल. पाणिनीय अष्टाध्यायी के रचना-सिद्धान्त, लोकालोक प्रकाशन, साहिबाबाद (गा. बाद.)।
7. जिज्ञासु, पं. ब्रह्मदत्त, संस्कृत पठन-पाठन की अनुभूत सरलतम विधि की भूमिका, रामलाल कपूर ट्रस्ट, बहालगढ़, हरियाणा।
8. चन्द्रा, सुभाष, कुमार, भूपेन्द्र, कुमार, विवेक एवं साक्षी. 2017. लघुसिद्धान्तकौमुदी आधारित कम्प्यूटरकृत सुबन्तरूपसिद्धिप्रक्रिया. विद्यानिधि प्रकाशन, नई दिल्ली।
9. Kanshiram. 2010. The Laghusiddhantakaumudi of Varadaraja, volume I, II, Moti Lal Banarasidas, Delhi.
10. Sharma, Prof. Ramanath. Ashtadhyayi of Panini (vol.1)
11. Online tools for Sanskrit Grammar available at <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSC-10: Darśana: Sāṅkhya & Mīmāṃsā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Darśana: Sāṅkhya & Mīmāṃsā	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to introduce the students to the fundamental concepts and theories of Sāṅkhya & Mīmāṃsā, the two very important schools of Indian Philosophy, through the reading of the premier texts Sankhyakarika and Arthasangraha, respectively. The course aims to provide learners with a solid foundation in these two systems of thought.

Learning outcomes

Upon completing this course, students will:

- able to explain the stanzas and passages of Sankhyakarika and Arthasangraha and the fundamental concepts of Sankhya and Mimamsa philosophies in the lines of these two premier texts.
- Familiar with many important Sankhya and Mimamsa terminologies. able to elucidate the metaphysics and epistemology propounded by the Sankhya and Mimamsa philosophers.
- Familiar with different types of Vedic sentences and their purport. able to observe and explain the linguistic aspects of the mimansakas.

Detailed Syllabus

Unit: I

Hour 11

सांख्यकारिका (ईश्वरकृष्ण) – दुःखत्रयवाद, प्रमाण, सत्कार्यवाद, प्रकृति का स्वरूप एवं सिद्धि, गुणत्रय

Unit: II

Hour 11

सांख्यकारिका (ईश्वरकृष्ण) – पुरुष का स्वरूप एवं सिद्धि, सृष्टिप्रक्रिया, भौतिक-सर्ग एवं प्रत्यय-सर्ग, सूक्ष्म-शरीर, बन्ध एवं मोक्ष

Unit: III

Hour 11

अर्थसंग्रह (लौगाक्षिभास्कर) – धर्म, भावना, वेद की अपौरुषेयता, विधि, गुणविधि और विशिष्टविधि, उत्पत्तिविधि, विनियोगविधि

Unit: IV

Hour 12

अर्थसंग्रह (लौगाक्षिभास्कर) – प्रयोगविधि, अधिकारविधि मन्त्र, नामधेय, निषेध एवं अर्थवाद, अपूर्वविधि और नियमविधि, परिसंख्याविधि तथा ग्रन्थ के शेष भाग का अध्ययन

Tutorial Activities

- Analytical Discussion
- Textual Reading & Explanation
- Concept Mapping
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential Readings:

1. अर्थसंग्रह - लौगाक्षिभास्कर, हिन्दीव्याख्याकार - कामेश्वरनाथ मिश्र, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 1983
2. अर्थसंग्रह - लौगाक्षिभास्कर, हिन्दीव्याख्याकार - दयाशंकर शास्त्री, चौखम्बा विद्या भवन, वाराणसी।
3. अर्थसंग्रह - लौगाक्षिभास्कर, हिन्दीव्याख्याकार - वाचस्पति उपाध्याय, चौखम्बा ओरियन्टालिया, वाराणसी, 1977
4. अर्थसंग्रह - लौगाक्षिभास्कर, हिन्दीव्याख्याकार - डॉ. राजेश्वर शास्त्री मुसलगाँवकर, चौखम्बा संस्कृत संस्थान, वाराणसी, 2019
5. Arthsaṅgraha-Laughākṣibhāskara, Ed. & trans. - A.B. Gajendragadkar & R.D. Karmarkar, Bhandarkar Oriental Research Institute, Poona, 1973
6. सांख्यकारिका - ईश्वरकृष्ण, व्याख्याकार – ब्रजमोहन चतुर्वेदी, नेशनल पब्लिशिंग हाउस, दिल्ली, 1988
7. सांख्यकारिका - ईश्वरकृष्ण, व्याख्याकार – विमला कर्णाटक, चौखम्बा ओरियन्टालिया, वाराणसी, 1984
8. सांख्यकारिका - ईश्वरकृष्ण, व्याख्याकार - राकेश शास्त्री, संस्कृत ग्रन्थागार, दिल्ली, 2004

Additional Resources:

1. मुसलगाँवकर, गजाननशास्त्री – मीमांसा दर्शन का विवेचनात्मक इतिहास, चौखम्बा विद्या भवन, वाराणसी
2. Dasgupta, S.N. - History of Indian Philosophy, Cambridge University Press, Cambridge, 1966
3. Deussen, Paul - Philosophy of Upanishads, Education Enterprise, Calcutta, 1972
4. Hiriyanna, M. - Outline of Indian Philosophy, London, 1951
5. Larson, G.J. - Classical Saṃkhya, M.L.B.D., Delhi, 2001

- 6. Pandey, R.C. - Panorama of Indian Philosophy, M.L.B.D., Delhi, 1966
- 7. Radhakrishnan, S. - Indian Philosophy, Blackie & Sons, Bombay, 1977
- 8. Upadhyaya, Vachaspati - Mīmāṃsādarśanavimarśaḥ, Bhartiya Vidya Prakashan, Delhi, 1976

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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2. Discipline-Specific Elective (DSE): Any 02 from pool Credits 08

DSE-8: Vedavyākhyā & Surveys on Vedic Commentaries

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vedavyākhyā & Surveys on Vedic Commentaries	04	3	1	0	Nil	Nil

Learning Objectives

The course is intended to be an exposition of the Indian and Western traditions of the Vedic interpretation. It introduces thoughts and literary works of some of the well-known ancient and modern Vedic commentators. This course also provides the knowledge of the surveys on the research works conducted by the different Indian and Western scholars on different Vedic interpretations. Another objective of the course is to know the different Vedic Research Institutions and their significant contributions.

Learning outcomes

After completion of this course, the students:

- will have a clarity about the Vedic wisdom and Vedic concepts.
- will know about certain aspects involved in the interpretation of Vedic verses.
- will be able to explain various theories of interpretations according to some important ancient, and modern Indian commentators.
- will be able to understand the role of few selected western scholars in the field of Vedic literature and interpretation.
- will be able to know the Vedic Researches conducted on different Vedic Commentators.
- will be able to know the contribution of Vedic Research Institutions.
- will be able to write a research paper on the commentary style of the commentators.

Detailed Syllabus

Unit: I

Hour 11

- Veda Vyākhyāna Paramparā
- Ancient Bhāratīya Vedic Commentators: Skandaswāmī, Venkattāmādhava, Uvaṭa, Halāyudha, Sāyaṇa, Mahīdhara

Unit: II

Hour 11

Modern Vedic Commentators:

- Swāmī Dayānanda Saraswatī, Pt. Madhusūdan Ojhā, Śrīpāda Dāmodar Sātavalekar, Śrīmad Aurobindo, T. V Kapāli Śāstri, Swāmī Vidyānanda Videha, Pt. Hariśaraṇa Siddhāntāṅkārā, Swāmī Karapātra Mahārāja, R N Dāṇḍekar.

Unit: III

Hour 11

Western Vedic Scholars:

- H H Wilson, Rudolf Von Roth, Maxmuller, Albrecht Weber, Ralph T. H. Griffith, William Dwight Whitney, Ludwig, Geldner, Alfred Hillebrandt, Hermann Oldenberg, Maurice Bloomfield, Arthur Berriedale Keith.

Unit: IV

Hour 12

- Surveys on Vedic Commentaries (Uvaṭa, Sāyaṇa, Swāmī Dayānanda Saraswatī, Śrīpāda Dāmodar Sātavalekar)
- Vedic Research Institutions: VVIS&IS, Vaidik Samsodhan Mandal, Bhaṇḍarkar Oriental Research Institute, Maḥarṣi Sāndipānī Rāṣṭriya Vedavidyā Pratishṭhāna etc.

Tutorial Activites

1. Doubt solving classes.
2. Development of writing and reading skills in Sanskrit.
3. Learning about the different commentary styles of the Vedic Commentaries.
4. Practice of Padapatha, Etymology and Vedic Accent.
5. Detailed study about the researches undertaken on Vedic Commentaries.

Essential/Recommended Readings/Texts

Essential Readings:

1. ऋग्वेदभाष्यभूमिका - सायण, (सम्पादक) वीरेन्द्र कुमार वर्मा, चौखम्बा ओरियण्टलिया, वाराणसी, १९८०.
2. ऋग्वेदभाष्यभूमिका - सायण, (सम्पादक) श्रीकण्ठपाण्डे, भारतीय विद्या प्रकाशन, वाराणसी, १९८५.
3. ऋग्वेदभाष्यभूमिकासंग्रह – बलदेव उपाध्याय, बनारस, १९३४.
4. पं भगवद्गुप्त – वैदिक वाङ्मय का इतिहास - खण्ड 1-3, परिवर्धक तथा सम्पादक – सत्यश्रवा एम. ए., विजय कुमार गिविन्दराम हासानन्द, दिल्ली, २००८.
5. शशि तिवारी, वेदव्याख्यापद्धतयः, प्रतिभा प्रकाशन, दिल्ली, २०१४.

Additional Resources:

1. श्रीअरविन्द - वेदरहस्य, अनुवादक – आचार्य अभयदेव विद्यालंकार एवं जगन्नाथ वेदालंकार, श्रीअरविन्द आश्रम, पुदुच्चेरी, २००९.
2. उपाध्याय, बलदेव - वैदिक साहित्य और संस्कृति, शारदा संस्थान, वाराणसी, २०१०.
3. उपाध्याय, बलदेव – संस्कृत वाङ्मय का बृहद् इतिहास – प्रथम भाग (वेद) – उत्तर प्रदेश संस्कृत संस्थान, लखनऊ।

4. उपाध्याय, बलदेव – संस्कृत वाङ्मय का बृहद् इतिहास – द्वितीय भाग (वेदाङ्ग) – उत्तर प्रदेश संस्कृत संस्थान, लखनऊ ।
5. चतुर्वेदी, गिरिधरशर्मा – वैदिक विज्ञान और भारतीय संस्कृति, बिहार राष्ट्रभाषा परिषद्, पटना, १९७२.
6. त्रिपाठी, गयाचरण – वैदिक देवता, उद्भव और विकास, राष्ट्रिय संस्कृत संस्थान, नई दिल्ली ।
7. द्विवेदी, कपिलदेव - वैदिक साहित्य एवं संस्कृति, विश्वविद्यालय प्रकाशन, वाराणसी, पंचम संस्करण २०१०.
8. पाण्डेय, गोविन्दचन्द्र - वैदिकसंस्कृति, लोकभारती प्रकाशन, इलाहाबाद
9. डॉ. फतेह सिंह – वैदिकदर्शन, संस्कृत सदन, कोटा, १९९९.
10. वर्णी, रामप्रकाश – अचार्य सायण और स्वामी दयानन्द सरस्वती की वेदभाष्य भूमिकाएँ, परिमल पब्लिकेशन्स, दिल्ली, २००५.
11. शर्मा, मुंशीराम - वेदार्थचन्द्रिका, चौखम्बा विद्याभवन, १९६७.
12. Dandekar, R. N. – Vedic Bibliography, Karnatak Publishing House, Bombay, 1946.
13. Dandekar, R.N. - Vedic Religion & Mythology: A Survey of the Works of Some Western Scholars, Univ. of Poona, Poona, 1965.
14. Macdonell, A.A. - Brhaddevata, M.L.B.D., 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Brahmasūtraśāṃkarabhāṣya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Brahmasūtraśāṃkarabhāṣya	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with advanced knowledge of the Advaita Vedānta system by critically examining Śāṅkara’s commentary on the Brahmasūtra. The course aims to foster a deeper understanding of the philosophical debates and principles articulated in this seminal works.

Learning outcomes

Upon completing this course, students will:

- Understand idealism as a philosophical position within the context of Indian philosophy.
- Critically evaluate Śāṅkara’s interpretations of the Brahmasūtra.
- Gain extensive and in-depth knowledge of Advaitic metaphysical, ethical, and analytical frameworks.
- Explore the methods used by Śāṅkara, including their reliance on Śruti (scriptures), Smṛti (tradition), and Anubhava (experience), to substantiate their Advaitic theories.

Detailed Syllabus

Unit: I

Hour 11

- Brahmasūtraśāṃkarabhāṣya (1.1.1-2) Upodghāta bhāṣya (Adhyāśabhāṣya), Jijñāsādhikaraṇa, Janmādhikaraṇa

Unit: II**Hour 11**

- Brahmasūtraśāṃkarabhāṣya (1.1.3-4) Śāstrayonitvādhikaraṇa, Samanvayādhikaraṇa

Unit: III**Hour 11**

- Brahmasūtraśāṃkarabhāṣya (2.2.1-27) Racanānupapattyādhikaraṇa, Mahaddīrghādhikaraṇa, Paramāṇujagadakāraṇatvādhikaraṇa, Samudāyādhikaraṇa

Unit: IV**Hour 12**

- Brahmasūtraśāṃkarabhāṣya (2.2.28-45) Abhāvādhikaraṇa, Patyādhikaraṇa, Utpattayasambhavādhikaraṇa

Tutorial Activities

- Analytical Discussion
- Textual Reading & Explanation
- Concept Mapping
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. ब्रह्मसूत्रशांकरभाष्य (चतुःसूत्री). (व्याख्याकार) आचार्य विश्वेश्वर सिद्धान्त शिरोमणि, चौखम्बा विद्याभवन, वाराणसी, 1966.
2. ब्रह्मसूत्रशांकरभाष्य (चतुःसूत्री). व्याख्याकार: रमाकान्त त्रिपाठी, हिन्दी ग्रन्थ अकादमी, लखनऊ, 1979.
3. ब्रह्मसूत्रशांकरभाष्य. (व्याख्याकार) कामेश्वरमिश्र, चौखम्बा संस्कृत सिरीज ऑफिस, वाराणसी, 1976.
4. ब्रह्मसूत्रशांकरभाष्य (भामती टीका अनुवाद सहित). सम्पादक: स्वामी योगीन्द्रानन्द, षड्दर्शन प्रकाशन, वाराणसी, 1982.
5. ब्रह्मसूत्रशांकरभाष्य. (व्याख्याकार) स्वामी सत्यानन्द सरस्वती, सत्यानन्दी दीपिका सहित, गोविन्दमठ, वाराणसी, 1978.
6. ब्रह्मसूत्रशांकरभाष्य. (व्याख्याकार) स्वामी हनुमान् जी षड्शास्त्री, चौखम्बा विद्याभवन, वाराणसी, 1964.

Additional Resources

1. शर्मा, चन्द्रधर. *भारतीय दर्शन: आलोचन व अनुशीलन*. मोतीलाल बनारसीदास, दिल्ली, 2001.
2. Devaraja, N. K. *Introduction to Śankara's Theory of Knowledge*. Motilal Banarsidass, Delhi, 1972.
3. Hirianna, M. *Outline of Indian Philosophy*. George Allen & Unwin Ltd., London, 1967.
4. Mahadevan, T. M. P. *Philosophy of Advaita*. Bharatiya Kala Prakashan, Delhi, 2006.

- 5. Pandey, Ram Chandra. *Panorama of Indian Philosophy*. English and Hindi versions, Motilal Banarsidass, Delhi, 1966.
- 6. Radhakrishnan, S. *Indian Philosophy, Vols. 1–2*. London, 1967. (Also Hindi translation by Nanda Kishor Gomil, Delhi, 1986).
- 7. Sharma, Rammurti. *Advaita Vedānta*. Eastern Book Linkers, Delhi, 1998.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Nyāyabindu

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Nyāyabindu	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with an in-depth understanding of the metaphysical and epistemological theories formulated by Buddhist philosophy. Through the study of Nyāyabindu & Mādhyamika Kārikā, the course aims to develop critical knowledge of the core principles and categories of this philosophical school.

Learning outcomes

Upon completing this course, students will:

- Develop an understanding of Idealism in the Indian philosophical context.
- Gain extensive knowledge of Buddhist categories.
- Acquire fundamental insights into other philosophical positions concerning the categories endorsed by the Buddhist tradition.
- Appreciate and differentiate the diverse perspectives and debates within the Buddhist tradition.

Detailed Syllabus

Unit: I

Hour 11

- First Pariccheda - Samyakjñāna (pramāṇa) kā svarūpa, Samyakjñāna (pramāṇa) ke bheda, Perception, Types of Perception, Svalakṣaṇa, Sāmānyalakṣaṇa, Pramāṇaphala, Pramāṇaphala vyavasthā

Unit: II

Hour 11

- Second Pariccheda- Svārthānumāna; Pakṣa, Sapakṣa & Asapakṣa; Three types of hetu

Unit: III

Hour 11

- Third Pariccheda- Parārthānumāna, Two types of Parārthānumāna, Pakṣa Lakṣaṇa

Unit: IV

Hour 12

- Third Pariccheda- Hetvābhāsa & its types

Tutorial Activities:

- Analytical Discussion
- Textual Reading & Explanation
- Concept Mapping
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. न्यायबिन्दुटीका (न्यायबिन्दुसहिता), (सं.) श्रीनिवास शास्त्री, साहित्य भण्डार, मेरठ, 1975
2. न्यायबिन्दुः (न्यायबिन्दुटीकासहिता), (सं.) पी. आई. तर्कस, नूतन मुद्रणालय, अकोला, 1952
3. न्यायबिन्दुः (न्यायबिन्दुटीकासहिता), (सं.) चन्द्रशेखर शास्त्री, चौखम्बा संस्कृत सीरीज, बनारस, 1954

Additional Resources

1. शर्मा, चन्द्रधर. भारतीय दर्शनः आलोचन और अनुशीलन. मोतीलाल बनारसीदास, दिल्ली, 2004.
2. नरेन्द्रदेव, आचार्य. बौद्ध धर्म-दर्शन. मोतीलाल बनारसीदास, दिल्ली, 2015
3. उपाध्याय, बलदेव. बौद्ध दर्शन. शारदा मन्दिर, बनारस, 1946
4. पाण्डेय, गोविन्द चन्द्र. न्यायबिन्दु. दर्शन प्रतिष्ठान, जयपुर, 1972
5. Dasgupta, S. N. *History of Indian Philosophy*. Vols. I–V, Motilal Banarsidass, Delhi, 1975.
6. Radhakrishnan, S. *Indian Philosophy*. Vols. I–II, George Allen & Unwin, London, 1933.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Śāstrakāvya - Bhaṭṭikāvya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Śāstrakāvya - Bhaṭṭikāvya	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to give the students glimpses of the Śāstrakāvya in Sanskrit literary tradition through the reading of a very important compositions of Bhaṭṭi.

Learning outcomes

After completion of this course the students:

- will be able to appreciate the Śāstrika, aesthetical, grammatical, cultural, etc. values expressed in prescribed composition.
- Will understand the structural patterns of ancient Sanskrit Śāstrakāvya.
- Will be familiar with the individual styles of the poet Bhaṭṭi.

Detailed Syllabus

Unit: I	Hour 11
● भट्टिकाव्य – प्रथम सर्ग	
Unit: II	Hour 11
● भट्टिकाव्य – द्वितीय सर्ग	
Unit: III	Hour 11
● भट्टिकाव्य – तृतीय सर्ग	
Unit: IV	Hour 12
● भट्टिकाव्य – चतुर्थ सर्ग	

Tutorial Activities:

- Śloka–Rule (Sūtra) Identification Exercise
- Sandhi–Samāsa Analysis Workshop
- Rasa Interpretation Discussion

- Comparative Text Study

Essential/Recommended Readings/Texts

Essential Readings:

1. भट्टिमहाकाव्य (भट्टि) – (व्या.) गोपाल शास्त्री, (सम्पा.) गोपालदत्त पाण्डेय, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2011
2. भट्टिकाव्य (भट्टि) – विनायक शास्त्री तथा वासुदेव शास्त्री, निर्णय सागर प्रेस, मुम्बई

Additional Resources:

1. शर्मा, सच्चिदानन्द – भट्टिकाव्यसमीक्षा, हिन्दी बुक सेन्टर, दिल्ली
2. शर्मा उमा शंकर ‘ऋषि’ – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
3. व्यास भोलाशंकर – संस्कृत कवि दर्शन, चौखम्बा विद्याभवन, वाराणसी
4. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
5. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Modern Sanskrit Khaṇḍakāvya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Modern Sanskrit Khaṇḍakāvya	04	3	1	0	Nil	Nil

Learning Objectives

The course aims at showcasing the continuity of Sanskrit poetry in its traditional genres of Khaṇḍakāvya. It also highlights historical, nationalistic and religious trends of the modern Sanskrit Khaṇḍakāvya.

Learning outcomes

After completion of this course the students:

- Will have an understanding of the new approach in the realm of Sanskrit Poetry.
- Will become aware of a new genre of Poetry.
- Will acquire the knowledge of the different dimensions of poetry.
- Will be able to compare modern and ancient styles of Poetry.
- Will gain the ability to explain and critically analyze the prescribed texts.

Detailed Syllabus

Unit I

पार्श्वभ्युदयम् – जिनसेनाचार्य

Hour 11

Unit II

मीरालहरी (पूर्व भाग) - पण्डिता क्षमाराव

Hour 11

Unit III

साहित्यवैभवम् (विनोद वीथी) – भट्ट मथुरानाथ शास्त्री

Hour 11

Unit IV

वसन्तविलास – जगदीशप्रसाद सेमवाल

Hour 12

Tutorial Activities:

- Rasa Visualization Exercise
- Character Interpretation Discussion
- Dramatised Narration

- Khandakāvya Mini-Composition Workshop

Essential/Recommended Readings/Texts

Essential Readings:

1. पार्श्वभ्युदयम् – जिनसेनाचार्य, सम्पादक – रमेश चन्द्र जैन, भारतवर्षीय अनेकान्त विद्वत् परिषद्, वाराणसी, 1989.
2. मीरालहरी - पण्डिता क्षमाराव, 27 न्यू मैरीनलेन, मुम्बापुरी (मुंबई) से प्रकाशित, मुंबई, 1944.
3. साहित्यवैभवम् – भट्ट मथुरानाथ शास्त्री, प्रधान सम्पादक – राधावल्लभ त्रिपाठी, सम्पादक – देवर्षि कलानाथ शास्त्री, रमाकान्त पाण्डेय, राष्ट्रीय संस्कृत संस्थान, दिल्ली, 2010.
4. विलासकाव्यसंग्रह – सम्पादक एवं अनुवादक – वेद प्रकाश डिंडोरिया, मान्यता प्रकाशन, दिल्ली, 2016.

Additional Resources:

1. त्रिपाठी, राधावल्लभ - संस्कृत साहित्य: बीसवीं शताब्दी, राष्ट्रीय संस्कृत संस्थान, दिल्ली 1999. मुसलगांवकर, केशव राव- आधुनिक संस्कृत काव्य परम्परा, चौखम्बा विद्याभवन, वाराणसी, 2004
2. मिश्र, राजेन्द्र – विंशति शताब्दी संस्कृत काव्यामृतम्, दिल्ली संस्कृत अकादमी, दिल्ली
3. उपाध्याय, बलदेव (प्र.स.), पाठक, जगन्नाथ (सं.)- संस्कृत वाङ्मय का बृहद् इतिहास (सप्तम खण्ड), उत्तरप्रदेश संस्कृत संस्थान, लखनऊ, 2000
4. Jha, V.N - Sanskrit Writings in Independent India, Poona
5. Joshi, K.R.& S. M. Ayachit - *Post Independence Sanskrit Literature*, Nagpur, 1991.
6. Prajapati, Manibhai K., *Post Independence Sanskrit Literature : A critical survey*, Poona, 2005.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Aucityavicāracarcā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Aucityavicāracarcā	04	3	1	0	Nil	Nil

Learning Objectives

Aucityavicāracarcā of Kṣemendra is a basic text of Aucitya theory in Sanskrit poetics. The purpose of this course is to introduce the learners with the different dimensions of Aucitya i.e. word (Padaucitya), Rasa (Rasaucitya), Verb (Kriyocitya), Time (Kalaucitya) etc. through the reading of the texts of Aucityavicāracarcā. The concept of Aucitya and its 27 divisions with examples will also be focused in this course.

Learning outcomes

Upon Successful completion of this course students:

- will form a deep understanding of the fundamental terminologies of kavya as presented by Kṣemendra.
- will acquire an in-depth knowledge of the theory of Aucitya.
- will be successful in applying this knowledge for critical analysis in the light of Aucitya theory.
- will gain the ability to explain and critically analyze the prescribed texts.
- will be able to appreciate and enjoy the expressions of poetry.

Detailed Syllabus

Unit: I औचित्य का स्वरूप, पदौचित्य से रसौचित्य तक	Hour 11
Unit: II क्रियौचित्य से उपसर्गौचित्य तक	Hour 11
Unit: III निपातौचित्य से तत्त्वौचित्य तक	Hour 11
Unit: IV सत्त्वौचित्य से आशीर्वचनौचित्य तक	Hour 12

Tutorial Activities:

- Text Reading and Explanation Workshop
- Analytical Discussion
- Illustrative Exercise: Identifying Aucitya and Anaucitya
- Terminology Familiarization and Quiz

Essential/Recommended Readings/Texts

Essential Readings:

1. औचित्यविचारचर्चा - क्षेमेन्द्र, (व्या.) नारायण मिश्र, चौखम्बा ओरियन्टलिया, दिल्ली
2. औचित्यविचारचर्चा - क्षेमेन्द्र, (व्या.) आचार्य ब्रजमोहन झा, चौखम्बा विद्याभवन, वाराणसी
3. औचित्यविचारचर्चा - क्षेमेन्द्र, (व्या.) रमाशंकर त्रिपाठी, चौखम्बा कृष्णदास अकादमी, वाराणसी
4. औचित्यविचारचर्चा - क्षेमेन्द्र, (व्या.) वेद प्रकाश डिंडोरिया, शिवालिक प्रकाशन, दिल्ली

Additional Resources:

1. गौड मनोहरलाल – आचार्य क्षेमेन्द्र, भारत प्रकाशन मन्दिर, अलीगढ़
2. औचित्य सम्प्रदाय का हिन्दी काव्य शास्त्र पर प्रभाव – डॉ. चन्द्र हंस पाठक, चौखम्बा विद्याभवन, वाराणसी
3. औचित्य सिद्धान्त एवं किरातार्जुनीयम् – डॉ. वेद प्रकाश डिंडोरिया, परिमल प्रकाशन, दिल्ली
4. क्षेमेन्द्र – प्रो. ब्रजमोहन चतुर्वेदी, साहित्य अकादमी, दिल्ली
5. क्षेमेन्द्र एवं उनका समीक्षा सिद्धान्त – डॉ. शिवशेखर मिश्र, कुमार प्रकाशन, लखनऊ
6. भारतीय काव्य सिद्धान्त: औचित्य – डॉ. कृष्णदेव झारी, शारदा प्रकाशन, नई दिल्ली
7. De, Sushil Kumar, History of Sanskrit Poetics (also Hindi translation), Oriental Book Centre, Delhi, 2006
8. Kane, P.V., History of Sanskrit Poetics (also Hindi translation), M.L.B.D., Delhi, 2002
9. Pandey, Kanti Chandra, Comparative Aesthetics, Vol. 1, (also Hindi translation Chaukhamba Sanskrit Series Office, Varanasi, 1972

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Nāṭaka Prakaraṇa of Pratāparudrayaśobhūṣaṇam

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Nāṭaka Prakaraṇa of Pratāparudrayaśobhūṣaṇam	04	3	1	0	Nil	Nil

Learning Objectives

This Course ensures a comprehensive understanding of the Nāṭaka Prakaraṇa of Pratāparudrayaśobhūṣaṇam, linking theoretical insights with practical application to classical Sanskrit dramas. It provides an in-depth understanding of Vidyānātha's Pratāparudrayaśobhūṣaṇam, particularly its Nāṭaka Prakaraṇa (drama portion). It encourages students to compare Vidyānātha's concepts with other dramaturgical texts, such as Bharata's Nāṭyaśāstra and Dhanañjaya's Daśarūpaka. It enables students to critically examine the text in the historical and cultural significance, literary aesthetic, and technical aspects of classical Sanskrit dramas.

Learning outcomes

Upon Successful completion of this course students:

- Comprehend the key concepts and theories of Sanskrit dramaturgy as outlined in the Nāṭaka Prakaraṇa of Pratāparudrayaśobhūṣaṇam.
- Analyze the structural elements of a Sanskrit play in light of Vidyānātha's theories.
- Compare and critique Vidyānātha's ideas with other classical texts on dramaturgy.
- Apply the principles of Sanskrit dramaturgy to the study of classical Sanskrit plays.
- Produce scholarly critiques and interpretations of dramaturgical theories and their relevance to classical Indian aesthetics.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Pratāparudrayaśobhūṣaṇam and Vidyānātha's Contribution

- Overview of Vidyānātha and his historical and literary context.
- Introduction to Pratāparudrayaśobhūṣaṇam: Structure and purpose of the text.
- Importance of Nāṭaka Prakaraṇa (Drama Section).
- The concept of Nāṭaka (Drama) in Sanskrit tradition.

Unit: II

Hour 11

Elements of Nāṭaka (Drama) as Defined by Vidyānātha

- Definition of Nāṭaka: Essential and optional elements.
- Analysis of the ten essential elements (Daśarūpa) in the context of Vidyānātha's theories.
- Examination of Sandhi (juncture) and Sandhy-aṅga (components of junctures)
- Comparison with Bharata's Nāṭyaśāstra and Dhanañjaya's Daśarūpaka.

Unit: III**Hour 11****Application of Nāṭaka Prakaraṇa in Classical Sanskrit Play**

- Ist act of Pratāparudra-kalyāṇa Nāṭakam
- IId act of Pratāparudra-kalyāṇa Nāṭakam
- IId act of Pratāparudra-kalyāṇa Nāṭakam

Unit: IV**Hour 12****Application of Nāṭaka Prakaraṇa in Pratāparudra-kalyāṇa Nāṭakam**

- IV th act of Pratāparudra-kalyāṇa Nāṭakam
- V th act of Pratāparudra-kalyāṇa Nāṭakam

Tutorial Activities:

- Script Reading
- Nayakbheda analysis
- Scene Identification
- Stage Design Project
- Rhetorical Structure Analysis
- Dialogue Practice from Pratāparudrayaśobhūṣaṇam

Essential/Recommended Readings/Texts**Essential Readings:**

1. Vidyānātha's Pratāparudrayaśobhūṣaṇam (Nāṭaka Prakaraṇa) – Edited with commentary.

Additional Resources:

1. Nāṭyaśāstra of Bharata – Ghosh, Manomohan (Translator).
2. Dhanañjaya's Daśarūpaka – Translated and edited by George C. O. Haas.
3. Abhinavagupta's Abhinavabhāratī (excerpts on Nāṭaka).
4. A History of Indian Theatre – Manohar Laxman Varadpande.
5. Classical Sanskrit Drama – A. B. Keith.
6. Indian Poetics – S. K. De.
7. The Theory of Rasa – K. Krishnamoorthy.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Vākyapadīya Kāraka Samuddeśa & Siddhāntakaumudī Kāraka Prakarana

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vākyapadīya & Siddhāntakaumudī Kāraka Prakarana	04	3	1	0	Nil	Nil

Learning Objectives

This course intends to introduce the students to some very important concepts of philosophy of language as propounded by the Grammarian philosophers through the reading of the texts of Mahābhāṣya

Learning outcomes

After the completion of this course the students will:

- be able to observe and appreciate the contributions of the ancient Indian Thinkers of the philosophy of language and linguistics.
- be able to understand the important, relevant and the purposes of the study of Grammar.
- be able to understand the issues of philosophy of Grammar in general.
- be able to understand the nature of the word, meaning and their relation.

Detailed Syllabus

Unit I	Hour 11
Vākyapadīya Kāraka Samuddeśa	
Unit II	Hour 11
Vākyapadīya Kāraka Samuddeśa	
Unit III	Hour 11
Vākyapadīya Kāraka Samuddeśa	
Unit IV	Hour 12
Siddhāntakaumudī Kāraka Prakarana	

Tutorial Activities:

- Text Reading and Explanation Workshop
- Concept Clarification Chart
- Kāraka Identification Practice
- Diagrammatic Representation of Kāraka Relations

Essential/Recommended Readings/Texts

1. Pillai, K. Raghavan. *The Vākyapadīya*. Motilal Banarsidass, 1971.
2. Iyer, K. A. Subramania, editor. *Vakyapadiya of Bhartrhari: Kāṇḍa I*. 1966.
3. अवस्थी, शिवशंकर. *वाक्यपदीयम्* (संस्कृत एवं हिन्दी अनुवाद). चौखम्भा विद्या भवन, 2013.
4. शुक्ल, सूर्यनारायण. *वाक्यपदीयम् (ब्रह्मकाण्डम्)*. ** चौखम्भा संस्कृत सीरीज ऑफिस, वाराणसी, 1961.
5. वैयाकरणसिद्धान्तकौमुदी (बालमनोरमा-तत्त्वबोधिनी-टीका) गिरिधरशर्माचतुर्वेदएवंपरमेश्वरानन्दशर्मा, तृतीयभाग, दिल्ली।
6. गोविन्दाचार्य, वैयाकरणसिद्धान्तकौमुदी (चतुर्थभाग: प्रथमखण्ड, द्वितीयखण्ड), चौखम्भा सुरभारती प्रकाशन, वाराणसी, 2010
7. जिज्ञासु, पं. ब्रह्मदत्त सोनीपत, हरियाणा अष्टाध्यायी (भाष्य) प्रथमावृत्ति, रामलालकपूरट्रस्ट, बहालगढ़,
8. शास्त्री शिवनारायण, वैयाकरण-सिद्धान्तकौमुदी, भ्वादिगण (भवतोषिणी हिन्दीटीका सहित), दिल्ली 1989

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Sanskrit and South Asian Languages

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sanskrit and South Asian Languages	04	3	1	0	Nil	Nil

Course Objective:

South Asia (India, Bangladesh, Pakistan, Nepal, Bhutan, and Sri Lanka) is 4 million square kilometers in area, and its population (in 1971) was more than 700 million, speaking many languages and dialects belonging to several linguistic families. This course will not only provide exposure to learners about the languages of SAARC but also linguistic affinities lying among those languages. Sanskrit has played a foundational role in the development of all south Asian languages.

This module aims to provide the understanding of lingual and cultural affinity of the South Asian population.

Learning Outcomes:

Through this course learners will be able to understand the cultural affinity of SAARC Countries through socio-historical linguistic tools, And contribute constructively in the holistic development of SAARC countries.

Detailed Syllabus:

Unit I:

Hours: 11

Introduction

Geographical description of SAARC country.
Taxonomics of South Asian languages.

Unit II:

Hours: 12

South Asia as a linguistic area

Sanskrit as the foundational language for SAARC language.
Linguistic similarities among South Asian languages:
Phonological affinity, Grammar and verb, conjugation, writing system, lexical borrowing.

Unit III:

Hours: 11

Socio-historical linguistics of SAARC languages

Socio – Cultural affinity in SAARC society.

Influence of Sanskrit literature on classical and folk literature of SAARC countries.

Unit IV:**Hours: 11****Research based project work**

(on any SAARC language to describe the Similarities and dissimilarities)

Tutorial activities:

- Learners will analyze the taxonomic classification of South Asian languages through chart-making, grouping languages into families, and comparing their major characteristics.
- Students will examine linguistic similarities among South Asian languages by working with phonological, grammatical, conjugational, and lexical examples drawn from different SAARC languages.
- Learners will explore socio-historical aspects by discussing cultural affinities within SAARC societies and evaluating the influence of Sanskrit literature on both classical and folk traditions across the region.

Essential/Recommended Readings/Texts**Essential Readings:**

1. Bendix, Edwaes H., 1974, “Indo-Aryan and Tibeto-Burman Contact as Seen through Nepal and Newari Verb Tenses.” CCSAL, pp 42-59.
2. Brass, Paul R., 1974, Language, Religion and Politics in North India. New York : Cambridge University Press.
3. Caldwell, Rt. Rev. Robert., 1856 A comparative Grammar of the Dravidian or South-Indian Family of Languages, 3rd ed. Revised and edited by Rev. J; L. Wyatt and T. Ramakrishna Pillai, Reprint ed., Madras: University of Madras, 1961.
4. Cardona, Gorge, 1974., “The Indo-Aryan Languages,” Encyclopaedia Britannica. 15th Edition. Vol. 9, 439-50
5. 1990 ; The Indo- Aryan Languages, MLBD, Delhi,
6. Chatterji, S.K., 1926, 1942 Indo-Aryan and Hindi, Ahmedabad. 1953 The Indian Syntheses.
7. Zograph, G.A. 1982; Languages of South Asia, Routledge, London

Additional Resources:

1. Bean, Susan S., 1974, “Linguistic Variation and the Caste System in South Asia” IL 35:4.244-93.
2. Chandrasekhar, A., 1970. “Personal Pronouns and Pronominal Forms in Malayalam.” AL 12:7.246-55.
3. Burrow, T., 1955, The Sanskrit Language, London.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Nāradaśmr̥ti

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Nāradaśmr̥ti	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to provide an in-depth exploration of the Nāradaśmr̥ti, an ancient Indian legal text, highlighting its significance in the context of Dharmaśāstra and Indian jurisprudence. Students will gain an understanding of the social, ethical, and legal principles outlined in the text. The course focuses on the roles and duties of individuals within society, particularly in the areas of governance, legal systems, and social order. Students will analyze the philosophical foundations and applications of the Nāradaśmr̥ti, and its influence on subsequent legal texts and practices in ancient India.

Learning outcomes

- Students will gain a comprehensive understanding of the core legal principles in Nāradaśmr̥ti, including the roles of rulers, judges, and individuals in maintaining justice.
- Learners will be able to interpret the rights, duties, and responsibilities prescribed to individuals, particularly in terms of social norms and ethics.
- Students will be able to analyze the governance models outlined in Nāradaśmr̥ti and their relevance to contemporary political and legal systems.
- Scholars will understand how Dharma is applied within legal structures and how it influences ethical decision-making in society.
- Students will explore the influence of Nāradaśmr̥ti on subsequent legal works, examining its role in shaping the evolution of Hindu legal traditions and principles.

Detailed Syllabus

Unit: I Nāradaśmr̥ti, Chapter-1, 2 and 3	Hour 11
Unit: II Nāradaśmr̥ti, Chapter-4, Ṛṇādāna-Prakaraṇa	Hour 11
Unit: III	Hour 11

Nāradaśmr̥ti, Chapter-4,
 Nikṣepa-prakaraṇa-15
 Sambhūyasamutthāna-prakaraṇa-18
 Dattāpradānika-prakaraṇa-12
 Abhyupretyāśuśrūṣā-prakaraṇa-43
 Paribhāṣita-aparibhāṣitavetanavidhi-prakaraṇa-22
 Asvāmivikraya-prakaraṇa-8
 Vikrīya-asampradāna-prakaraṇa-12
 Kṛtānuśaya-prakaraṇa-16
 Samaya-anapākarma-prakaraṇa-7
 Sīmā-bandha-prakaraṇa-43

Unit: IV

Hour 12

Nāradaśmr̥ti, Chapter-4
 Strī-puruṣayoga-prakaraṇa-113
 Dāyabhāga-prakaraṇa-52
 Sāhasa-prakaraṇa-27
 Vākpāruṣya-daṇḍapāruṣya-prakaraṇa-32
 Dūta-samāhṛya-prakaraṇa-8
 Prakīrṇaka-prakaraṇa-55

Tutorial Activities:

- Thematic Discussion
- Practical application of Judicial Procedure
- Group Discussion: Dharma and Law in Modern Context
- Terminology Familiarization

Essential/Recommended Readings/Texts

1. स्वाई, ब्रजकिशोर. (2023) नारदस्मृति: तिल्लोत्तमा संस्कृतटीका सहित. चौखम्बा संस्कृत संस्थान, वाराणसी.
2. राम कुमार वर्मा शास्त्री, नारदस्मृति. डायनेमिक पब्लिकेशन (इण्डिया) लि०.
3. Banerji, Sures Chandra. A brief history of Dharmaśāstra. Abhinav Publications, 1999.
4. Online Resource available at <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-8: Decipherment of Brahmi Inscriptions

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Decipherment of Brahmi Inscriptions	04	3	1	0	Nil	Nil

Learning Objectives

The objectives of this course are to equip students with the skills necessary to decipher and interpret Brahmi inscriptions from various historical periods. It aims to introduce students to the historical development and significance of the Brahmi script, enabling them to analyze its cultural, historical and linguistic contexts. The course also focuses on developing proficiency in the methodologies used for deciphering inscriptions, allowing students to gain a deeper understanding of their role in historical research. Additionally, it provides practical experience through hands-on exercises and the study of authentic Brahmi inscriptions.

Learning outcomes

After the completion of this course, the students will:

- Be able to decipher and interpret Brahmi inscriptions with accuracy.
- Understand the historical and cultural significance of the Brahmi script.
- Apply various methodologies for analyzing ancient inscriptions.
- Demonstrate proficiency in the linguistic and contextual analysis of inscriptions.
- Gain practical experience through hands-on study of authentic Brahmi inscriptions
- Appreciate the contribution of these inscriptions to the broader history of ancient Indian religious traditions.

Detailed Syllabus

Unit: I

Hour 11

- Origin of Brahmi Script
- History of decipherment
- Understanding the characteristics of Ashokan Brahmi
- Decipherment of Ashokan Brahmi Inscriptions- Girnar rock edicts (No. II, III, VI) and Rummindei Pillar Edict

Unit: II**Hour 11**

- Development of Post-Mauryan Brahmi
- Understanding the characteristics of Post-Mauryan Brahmi
- Comparative Study of the Satavahana and Shaka-Kshatrapa Scripts
- Understanding “Swasti Chinha”

Unit: III**Hour 11**

- Development of Gupta Script
- Understanding the characteristics of Gupta Script
- Decipherment of Gupta Script Inscriptions- Mehrauli Iran Pillar Inscription of Chandragupta and Kahaun Inscription of Skandgupta
- Study of “Sanyuktakshar”

Unit: IV**Hour 12**

- Development of North and South Indian Brahmi
- Understanding the characteristics of Post-Gupta's Brahmi
- Decipherment of Post-Gupta Inscriptions- Nagarjuni Hill Cave Inscription of Anantvarma and Ganjaam Copper Plate Inscription of Shashanka
- Practicing Numbers and Matras

Tutorial Activities:

- Reading and Writing of basic forms of Brāhmī script
- Study of letter evolution and palaeographic features
- Knowledge of vowel and consonant formations
- Practice of reading simple inscriptions
- Learning of decipherment techniques and transliteration

Essential/Recommended Readings/Texts

1. ओझा, गौरीशंकर हीराचंद. भारतीय प्राचीन लिपिमाला. जोधपुर, राजस्थानी ग्रन्थागार, 2024.
2. कुमार, वीरेन्द्र. ब्राह्मी शिलालेख : प्रतिलिपि और भाष्य. भारतीय संस्कृति प्रकाशन, वाराणसी, 2008.
3. पाण्डेय, राजबली. भारतीय पुरालिपि. मोतीलाल बनारसीदास, दिल्ली, 1957.
4. प्रकाश, प्रेम. ब्राह्मी लिपि और उसका विकास. चौखम्बा संस्कृतसीरीज, वाराणसी, 2010.
5. मिश्र, राजेंद्र प्रसाद. ब्राह्मी लिपि: इतिहास और अध्ययन. भारतीय विद्या प्रकाशन, दिल्ली, 2005.
6. वशिष्ठ, रविन्द्र. अभिलेख प्रवेशिका. आर्यन बुक्स इंटरनेशनल, नई दिल्ली, 2008.
7. Bühler, Georg. Indian Palaeography (Revised Edition). Indological Book House, Varanasi, 1968.
8. Salomon, Richard. Indian Epigraphy: A Guide to the Study of Inscriptions. Oxford University Press, Oxford, 1998.
9. Shastri, Ajay Mitra. Research Papers on Brāhmī Palaeography. Journal of the Epigraphical Society of India.
10. Sircar, D.C. Indian Epigraphy. Motilal Banarsidass, Delhi, 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Methods of Critical Text Editing

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Methods of Critical Text Editing	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce students to the methods and techniques of critical text editing. It aims to equip students with the knowledge and skills required to create accurate and reliable critical editions of texts. The course will cover various approaches to text comparison, textual emendation, and the preparation of critical apparatus, enabling students to engage with manuscript and printed versions of texts. By the end of the course, students will be proficient in applying these methods to produce scholarly and authoritative editions of historical and literary works.

Learning outcomes

After the completion of this course, the students will:

- Understand the basic principles and techniques of critical text editing.
- Be able to compare and analyze different versions of texts from manuscripts and printed copies.
- Learn how to improve and correct texts using textual emendation.
- Gain the skills to create critical apparatus for scholarly editions.
- Appreciate the importance of accuracy and care in producing reliable editions of historical and literary texts.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Text Editing

- What is text editing?
- History of text editing
- Types of texts: Manuscripts and printed editions
- Role of the editor

Unit: II**Hour 11**

Textual Criticism

- Definition and importance of textual criticism
- Identifying and comparing variants in manuscripts
- Creating an archetype and stemma
- How to create a critical edition?

Unit: III**Hour 11**

Tools and Resources

- Traditional tools: Paleography and collation
- Digital tools for editing manuscripts
- Using commentaries and glosses in editing
- Key resources: Libraries and archives

Unit: IV**Hour 12**

Practical Editing

- Steps in preparing a critical edition
- Dealing with damaged or incomplete manuscripts
- Ethical issues in editing manuscripts
- Case studies of critical editions

Tutorial Activities:

- Comparative Discussion
- Terminology Familiarization
- Collation Exercise (Pāṭhāntara Analysis)

Essential/Recommended Readings/Texts

1. “Principles of Critical Edition” by K. N. Joshi
2. “Textual Criticism and Manuscript Editing” by A. R. Davis
3. “Critical Editing of Sanskrit Manuscripts” by R. R. Kangle
4. “संपादन और साहित्यिक आलोचना” by डॉ. शंकर पाटिल
5. “Manuscriptology and Textual Criticism” by M. D. Chavda
6. “भारतीय पांडित्य और ग्रंथ सम्पादन” by डॉ. रामानंद त्रिपाठी

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Bhāgavata-Purāṇa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Bhāgavata-Purāṇa	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce the students to the devotional and spiritual aspects having secular values. The tenth Skandha of Bhāgavatamahāpurāṇa is famous in dealing with selfless divine devotion and ecstasy for God.

Learning outcomes

After the completion of this course the students will:

- able to appreciate rhetoric beauty of the tenth skandha of Bhāgavatamahāpurāṇa.
- able to understand and explain the devotional and spiritual values of Bhāgavatamahāpurāṇa.
- be able to explain the idea and emotion (Bhāva) and sentiment (rasa) in the light of Bhakti.

Detailed Syllabus

Unit: I

Bhāgavata-Purāṇa: 3/25, 26, 27 & 33

Hour 11

Unit: II

Bhāgavata-Purāṇa: 4/20, 21, 22

Hour 11

Unit: III

Bhāgavata-Purāṇa: 8/19, 20, 21, 22

Hour 11

Unit: IV

Bhāgavata-Purāṇa: 11/7, 8, 9

Hour 12

Tutorial Activities:

- Character Interpretation Seminar
- Parāyaṇa (Recitation) Sessions

- Dramatic Re-enactment / Nṛtya
- Art & Music Integration

Essential/Recommended Readings/Texts

Essential Readings:

1. भागवतपुराण, गीताप्रेस, गोरखपुर
2. भागवतपुराण, नागप्रकाशन
3. The Bhāgavata Purāṇa – Motilal Banarasidas Delhi

Additional Resources:

1. The Bhagavata Purana - Mytho-Social Study, Dange, S.S. pub. by Ajanta Publications, Jawaharanagar, Delhi, 1984.
2. Biswas, Ashutosh, Bhagavata Purana, A Linguistic Study, Dibrugarh, 1963.
3. A Critical Study of the Śrīmad-Bhāgavata, Banaras Hindu University, Varanasi, 1969.
4. Bhāgavata Purāṇa: A Literary Study, S.S. Prasad, by Capital Publishing House, Delhi, 1984.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Chatbot Development using Sanskrit Corpora

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Chatbot Development for Sanskrit Text	04	3	0	1	Nil	Nil

Learning Objectives

The course aims to introduce students to the foundational principles of Natural Language Processing (NLP) and its application to Sanskrit language datasets. Students will explore the linguistic structure and syntax of Sanskrit, enabling the design of intelligent chatbots capable of interacting in Sanskrit. The course emphasizes the creation and processing of Sanskrit corpora, integration of AI and machine learning models, and building conversational interfaces rooted in traditional texts. By the end, learners will acquire skills to develop innovative Sanskrit-based chatbots, bridging the gap between ancient knowledge and modern conversational technologies.

Learning outcomes

By the end of this course, students will:

- Understand the fundamentals of chatbot architecture and design.
- Learn natural language processing techniques for Sanskrit texts.
- Develop skills in programming chatbots using popular frameworks.
- Address challenges in conversational systems for Sanskrit, including sandhi, morphology, and semantics.
- Create and test a functional chatbot tailored to Sanskrit texts or applications.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Chatbot Development

- Basics of Chatbots: History, Applications, and Types (Rule-Based and AI-Based).
- Overview of Sanskrit Linguistic Features Relevant to Chatbots.
- Natural Language Understanding (NLU) and Intent Recognition.
- Tools and Platforms for Building Chatbots: *Rasa*, *Dialogflow*, *Botpress*.
- Introduction to Devanagari Script and Unicode Handling for Sanskrit Input

Unit: II**Hour 11**

Natural Language Processing for Sanskrit

- Text Preprocessing: Tokenization, Lemmatization, and Stemming for Sanskrit.
- Handling Sandhi and Compound Words in Conversational Systems.
- Named Entity Recognition (NER) for Sanskrit Texts.
- Part-of-Speech Tagging and Syntax Parsing for Sanskrit Queries.
- Integrating Transliteration Support for Sanskrit and English Inputs.

Unit: III**Hour 11**

Chatbot Implementation

- Designing a Conversational Flow for Sanskrit Applications.
- Rule-Based Chatbot Development for Sanskrit Query Answering.
- AI-Based Chatbot Development Using Machine Learning:
 - Training Intents and Entities.
 - Using Pre-Trained Language Models (for Sanskrit).
- Integrating APIs for Sanskrit Text Retrieval and Processing.
- Hands-On Practice: Developing a Simple Chatbot for Sanskrit Queries.

Unit: IV**Hour 12**

Advanced Features and Project

- Adding Advanced Features: Context Management and Multilingual Support.
- Error Handling and Debugging in Sanskrit Chatbots.
- Testing and Evaluating Chatbot Performance: Accuracy, Response Time, and User Experience.
- Final Project:
 - Build a Chatbot for a Specific Sanskrit Application (e.g., querying Sanskrit dictionaries, teaching shlokas, or answering questions from texts).
 - Presentation and Peer Review.

Practical Activities:

- Sanskrit Text Preprocessing: Tokenize and normalize sample Sanskrit sentences.
- Perform basic Sandhi splitting using available tools.
- Rule-Based Chatbot Prototype: Design a small set of intents and responses in Sanskrit.
- Implement a simple rule-based chatbot flow.
- Framework Setup and Implementation: Install and configure a chatbot framework (e.g., Rasa or Dialogflow).
- Build a basic conversational flow using Sanskrit inputs.

Essential/Recommended Readings/Texts

1. Jurafsky, Daniel, and James H. Martin. Speech and Language Processing. 3rd ed. draft, 2023.
2. Russell, Stuart, and Peter Norvig. Artificial Intelligence: A Modern Approach. 4th ed., Pearson, 2021.

3. Manning, Christopher D., and Hinrich Schütze. Foundations of Statistical Natural Language Processing. MIT Press, 1999.
4. Bird, Steven, Ewan Klein, and Edward Loper. Natural Language Processing with Python. O'Reilly, 2009.
5. Serban, I. V., et al. "A Survey of Deep Learning for Dialogue Systems." arXiv preprint, 2016.
6. Sanskrit Heritage Reader (INRIA): <https://sanskrit.inria.fr>
7. Digital Corpus of Sanskrit (DCS): <https://www.sanskrit-corpus.uni-koeln.de>
8. GRETEL – Göttingen Register of Electronic Texts: <https://gretel.sub.uni-goettingen.de>
9. Sanskrit Wordnet (IIT Bombay): <https://www.cfilt.iitb.ac.in/wordnet/webswn/wn.php>
10. Sanskrit Velthuis/ISO Transliteration Tools: various online implementations
11. shabdkosh.com – Sanskrit dictionary resources
12. spokensanskrit.org – Lexical lookup
13. cl.sanskrit.du.ac.in – Computational Linguistics Lab, Department of Sanskrit, University of Delhi
14. sanskrit.jnu.ac.in – Centre of Sanskrit Studies, JNU
15. TDIL – Technology Development for Indian Languages: <https://tdil-dc.in>
16. Rasa Documentation: <https://rasa.com/docs/>
17. Dialogflow Documentation: <https://cloud.google.com/dialogflow/>
18. Botpress Documentation: <https://botpress.com/docs/>
19. TensorFlow – NLP tools: <https://www.tensorflow.org>
20. HuggingFace – Transformers for text models: <https://huggingface.co>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Computational Modeling of Pāṇini's Aṣṭādhyāyī

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computational Modeling of Pāṇini's Aṣṭādhyāyī	04	3	0	1	Nil	Nil

Learning Objectives

Computational modelling of Pāṇini's Aṣṭādhyāyī (AD) is a field of study that aims to represent the grammar of Sanskrit in a logical, consistent, and non-verbal way. The goal is to create a framework that can be implemented algorithmically and used to evaluate hypotheses about the grammatical system. It also aim to create a formal framework for representing the Pāṇinian system of Sanskrit grammar. The framework would use mathematical categories and logical relations to create a non-verbal representation.

Learning outcomes

Pāṇini's Aṣṭādhyāyī is a concise grammar of Sanskrit written in the form of about 4,000 sūtras. Some say that Pāṇini's grammar is similar to a modern computing language and that he laid the groundwork for universal computation. Students will be able to learn techniques of computing the AD.

Detailed Syllabus

Unit: I

Hour 11

Structure of Pāṇinīan Aṣṭādhyāyī

- Phonetic Component
- Phonemes - 14 (śivasūtra: pratyāhāra (*ādirantyena sahetā*))
- Rule-database (Rule database)
- Dataset/Lists: Dhātupāṭha, Gaṇapāṭha
- Lists: Suffixes

Unit: II

Hour 11

System of Pāṇini

- Types of Sutras
- Core Concept of Aṣṭādhyāyī

Unit: III

Hour 11

How to Compute Pāṇinian Rules

- Understanding the rules.
- Analyzing the rules.
- Listing external resources or related rules.
- Developing computational rules.

Selecting programming language

Unit: IV

Hour 12

Survey of Tools Developed on Sanskrit Grammar

Practical Activities

Pratyāhāra Generator

Dhātupāṭha Database Creation

Ashtadhyayi Modelling

Essential/Recommended Readings/Texts

1. Jurafsky, Daniel, and James H. Martin. Speech and Language Processing. 3rd ed. draft, 2023.
2. Russell, Stuart, and Peter Norvig. Artificial Intelligence: A Modern Approach. 4th ed., Pearson, 2021.
3. Manning, Christopher D., and Hinrich Schütze. Foundations of Statistical Natural Language Processing. MIT Press, 1999.
4. Bird, Steven, Ewan Klein, and Edward Loper. Natural Language Processing with Python. O'Reilly, 2009.
5. Serban, I. V., et al. "A Survey of Deep Learning for Dialogue Systems." arXiv preprint, 2016.
6. Sanskrit Heritage Reader (INRIA): <https://sanskrit.inria.fr>
7. Digital Corpus of Sanskrit (DCS): <https://www.sanskrit-corpus.uni-koeln.de>
8. GRETEL – Göttingen Register of Electronic Texts: <https://gretel.sub.uni-goettingen.de>
9. Sanskrit Wordnet (IIT Bombay): <https://www.cfilt.iitb.ac.in/wordnet/webswn/wn.php>
10. Sanskrit Velthuis/ISO Transliteration Tools: various online implementations
11. shabdkosh.com – Sanskrit dictionary resources
12. spokensanskrit.org – Lexical lookup
13. cl.sanskrit.du.ac.in – Computational Linguistics Lab, Department of Sanskrit, University of Delhi
14. sanskrit.jnu.ac.in – Centre of Sanskrit Studies, JNU
15. TDIL – Technology Development for Indian Languages: <https://tdil-dc.in>
16. Rasa Documentation: <https://rasa.com/docs/>
17. Dialogflow Documentation: <https://cloud.google.com/dialogflow/>
18. Botpress Documentation: <https://botpress.com/docs/>
19. TensorFlow – NLP tools: <https://www.tensorflow.org>
20. HuggingFace – Transformers for text models: <https://huggingface.co>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-8: Suśruta Saṃhitā: Chikitsasthanam & Kalpasthāna

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Suśruta Saṃhitā: Chikitsasthanam & Kalpasthāna	04	3	1	0	Nil	Nil

Learning Objectives

The Suśruta saṃhitā is an ancient Indian medical text that aims to provide knowledge of surgery, anatomy, and other aspects of health. It also emphasizes the importance of cleanliness and sterilization in surgical procedures. The Suśruta saṃhitā provides information on surgical techniques, such as wound closure, suturing, and bandaging. It also emphasizes the importance of using sterile tools and maintaining a clean surgical environment.

Learning outcomes

Sushruta has a rich history of medicine that is imbued with his pioneering spirit, which carried enduring influence. His works have been relevant in fomenting generations of surgeons and medical practitioners into the annals of history and solidifying his place as a timeless figure in the evolution of medical science. Students will be able to know the ancient procedures of surgery.

Detailed Syllabus

Unit: I

Hour 11

- Chikitsasthana
- Snehopayaugikacikitsita-57
- Svedāvacāraṇīyacikitsita-29
- Vamanavirecanasādhypadravacikitsita-47
- Vamanavirecanavyāpaccikitsita-22
- Netrabastipramāṇaprabhāgacikitsita-33
- Netrabastivyāpaccikitsita-51

Unit: II**Hour 11**

- Chikitsasthana
- Anuvāsanottarabasticikitsita-127
- Nirūhakramacikitsita-118
- Āturopadravacikitsita-39
- Dhūmanasyakavalagrahacikitsita-71

Unit: III**Hour 11**

- Kalpasthāna
- Annapānarakṣākalpa-84
- Sthāvaraviṣavijñānīyakalpa-55
- Jaṅgamaviṣavijñānīyakalpa-44
- Sarpadaṣṭaviṣavijñānīyakalpa-45

Unit: IV**Hour 12**

- Kalpasthāna
- Sarpadaṣṭaviṣacikitsitakalpa-86
- Dundubhisvanīyakalpa-32
- Mūṣikakalpa-64
- Kīṭakalpa-143

Tutorial Activities:

- Technical Terminology Dictionary
- Chikitsā Reasoning Exercises
- Body Mapping Activity
- Instrument Identification Workshop
- Comparative Medicine Discussion
- Historical Inquiry Assignment

Essential/Recommended Readings/Texts

1. अनन्तराम शर्मा, 2019.सुश्रुत संहिता, चौखम्बा सुरभारती प्रकाशन. भाग 1-3.
2. केशव कृष्णल ठकराल, 2014.सुश्रुत संहिता, चौखम्बा ओरियन्टलिया, वाराणसी भाग 1-2.
3. Singhal, G. D. Susruta Samhita: Ancient Indian Surgery (in 3 Vol. Set). Chaukhamba Sanskrit Pratishthan, 1975.
4. Bhishagratna, Kaviraj Kunja Lal. An English Translation of the Sushruta Samhita, Based on Original Sanskrit Text, Vol. 3. Forgotten Books, 2018.
5. Patil, Vasant C. Susruta Samhita, 3 Volumes. Chaukhambha Publications, 2018.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Bhāratīya Kuṇḍalī Vijñāna-II

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Bhāratīya Kuṇḍalī Vijñāna-II	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this paper is to teach the students about mathematical calculation for making horoscope, various units of time and annual horoscope.

Learning outcomes

After studying this course, students:

- Will be able to know the concept behind Panchanga.
- Will be able to get Knowledge about how to make a horoscope.
- Will be able to know the concept of dasha-sadhana.
- Will be able to know the basic concepts of Varshphal/Tajikshastra.

Detailed Syllabus

Unit: I

Hour 11

नैसर्गिक-तात्कालिक-पंचधाग्रहमैत्रीचक्र, सूर्यादिग्रह अष्टकवर्गनिरूपण ।

Unit: II

Hour 11

विंशोत्तरी महादशा, अष्टोत्तरी दशा, योगिनी दशा, वर्षप्रवेशगणित-तिथिसाधन, वर्षप्रवेशकालिक स्पष्टग्रह ।

Unit: III

Hour 11

मुंथा-विचार, ग्रहों का बलविचार (हर्षबल, पंचवर्गीबल) हृदाचक्र, त्रिराशिपति, पंचेशविचार, दीप्तांशविचार ।

Unit: IV

Hour 12

इत्थवाल, मूसरिफयोग, नक्त, सहमविचार, मुद्दादशा, पात्यायिनीदशा, मासप्रवेश, दिनप्रवेश।

Tutorial Activities:

- Technical Terminology Dictionary
- Chikitsā Reasoning Exercises
- Body Mapping Activity
- Instrument Identification Workshop
- Comparative Medicine Discussion
- Historical Inquiry Assignment

Essential/Recommended Readings/Texts

1. भारतीय कुण्डली विज्ञान-ओझा, मीठालाल हिम्मतराम, देवर्षि प्रकाशन, वाराणसी, 2004 ।
2. भारतीय कुण्डली विज्ञान झा, सुरकांत, चौखंभा संस्कृत सीरीज ऑफिस, वाराणसी ।
3. भारतीय ज्योतिष शास्त्री, नेमिचन्द्र, भारतीय ज्ञानपीठ प्रकाशन, नईदिल्ली- 1987.
4. भारतीयज्योतिषम् - शिवनाथझारखण्डी, उत्तरप्रदेश हिन्दी संस्थान, लखनऊ, 2010.
5. भारतीयज्योतिषम् – नेमिचंद्र शास्त्री, भारतीय ज्ञानपीठप्रकाशन, दिल्ली, 1992.
6. Tucker, W.M. - Astrology for Everyman, Sagar Publication, New Delhi.
7. History of Indian Astronomy - Sankar Balkrishna Dikshit, Government of India Book Dept, Calcutta,1981.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Bijaganitam

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Bijaganitam	04	3	1	0	Nil	Nil

Learning Objectives

The course aims to introduce contemporary theories and facts about Vedic mathematics and the Bhartiya mathematical tradition, addressing both traditional and modern questions. It seeks to demonstrate how Vedic mathematics and the entire Bhartiya mathematical tradition is a living practice.

Learning outcomes

After completion of this course the students:

- Will have a comprehensive understanding of the innovative concepts bridging the gap between Bhartiya Mathematics and Modern Mathematics.
- Will acquire knowledge of the different dimensions of Mathematics i.e. effects, cause, definitions, forms and facts present in Bhartiya Mathematics and Vedic Mathematics. They will explore the historical context, key principles, and methodologies that characterize this unique approach.
- Will become acquainted of new concepts and facts found in Mathematics.
- Will be able to compare modern and ancient thoughts of Mathematics.
- Will achieve the ability to critically analyze and explain the prescribed texts.

Detailed Syllabus

Unit: I

Hour 11

Manglacharan, Dhanarn-sankalan-vyavkalan-gunan-bhagahar-vargmool.

Unit: II

Hour 11

Khagunadi, Anantrashiprasansa, Bhavyakta, Kalpana
Avyakta-sankalan-vyavkalan, Shravyaktadigunan
Avyaktadibhagahar, Avyaktvargaadi.

Unit: III

Hour 11

Karnisankalanavyavkalan, Karanigunan, Karanibhajan,
Karnivarg: Karanimula, Kuttaka, Vargaprakriti, Chakravaalam.

Unit: IV

Hour 12

Ekvarnsamikaranbijam, Anekvarn-samikaran, Anekvarn-madhyamaaharan

Tutorial Activities:

- Symbol Mapping Drill
- Terminology Translation Exercise
- Varga–Rashmi (Square–Root) Simplification
- Kuttaka (कुट्टक) Algorithm Lab
- Ghaṇa (Cube) Expansion Manipulative
- Comparative Mathematics Seminar

Essential/Recommended Readings/Texts

1. Mishra, Baldev, 2015, Bijaganitam, Chowkhambha Vidyabhawan, Varanasi.

Secondary Sources:

1. मिश्र, कमलाकान्त (सम्पा.), 2003, संस्कृत वाङ्मय में विज्ञान का इतिहास, राष्ट्रीय शैक्षिक अनुसन्धान और प्रशिक्षण परिषद्, नई दिल्ली।
2. Datta, Bibhutibhushana & Singh Avadesh Narayan, 2004, History of Hindu Mathematics (Vol. 1&2) Bharatiya Kala Prakashan, Delhi.
3. तिवारी, दया शंकर, 2020, संस्कृत वाङ्मय में गणितीय परम्परा, चौखम्भा ऑरियण्टलिया, दिल्ली।

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-8: Mimamsa Nyaya Prakash

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Mimamsa Nyaya Prakash	04	3	1	0	Nil	Nil

Learning Objectives

Mimamsa philosophy is considered to have a unique place in the Indian philosophical tradition. Mimamsa philosophy is distinguished by its fundamental principles. This paper will provide a comparative study of these fundamental principles. The characteristics of Mimamsa philosophy will be understood.

Learning outcomes

- Students will gain knowledge of the Indian philosophical tradition.
- They will gain knowledge of Mimamsa philosophy within the Indian philosophical tradition.
- They will develop an understanding of the principles of Mimamsa philosophy.

Unit-I

11 Hours

Mimamsa Nyaya Prakash

From मङ्गलाचरण to अध्ययन विधि

Unit-II

11 Hours

Mimamsa Nyaya Prakash

वेदस्य पञ्चविधत्वम्

Unit-III

12 Hours

Mimamsa Nyaya Prakash

From मन्त्रनिरूपण to नामधेयनिरूपणम्

Unit-IV

11 Hours

Mimamsa Nyaya Prakash

From निषेध to ग्रन्थसमाप्ति

Tutorial Activities

- Survey
- Project

▪ Discussion

Essential/Recommended Readings/Texts

1. मीमांसान्यायप्रकाश, पट्टाभिराम शास्त्री, श्री लालबहादुर शास्त्री राष्ट्रीय संस्कृत विश्वविद्यालय, दिल्ली।
2. मीमांसान्यायप्रकाश, चिन्नस्वामी शास्त्री (‘सारविवेचनी’ व्याख्या सहित) चौखम्बा प्रकाशन, वाराणसी।
3. मीमांसान्यायप्रकाश, दयाशंकर शास्त्री, चौखम्बा विद्याभवन, वाराणसी।
4. मीमांसादर्शन का विवेचनात्मक इतिहास, गजानन शास्त्री मुसलगांवकर, चौखम्बा प्रकाशन, वाराणसी
5. मीमांसान्यायप्रकाश, पट्टाभिराम शास्त्री, श्री लालबहादुर शास्त्री राष्ट्रीय संस्कृत विश्वविद्यालय, दिल्ली।
6. मीमांसान्यायप्रकाश, चिन्नस्वामी शास्त्री, चौखम्बा प्रकाशन, वाराणसी
7. मीमांसान्यायप्रकाश, दयाशंकर शास्त्री, चौखम्बा विद्याभवन, वाराणसी

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-8: Prakrit Language and Literature

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Prakrit Language and Literature	04	3	1	0	Nil	Nil

Course Objectives-

- Through this paper, students will be able to know about the general introduction of Prakrit language, its antiquity and its interrelationship with Vedic Sanskrit to modern Indian languages.
- Along with this, linguistic understanding will develop in them by understanding the formation of various Prakrits and the linguistic tradition of India in an unbroken form.
- Apart from this, an example of important parts of the Indian knowledge system bound in Prakrit languages will be obtained.

Learning outcomes

- Students will be able to study the antiquity, history and development of Prakrit language and literature.
- By studying the medieval Indian language – Prakrits – one will be able to know about the continuity of Indian linguistic and literary tradition.
- By Sanskritizing the vast Prakrit literature, one will be able to move towards understanding it correctly.
- Students will develop an understanding of Prakrit language.

Detailed Syllabus

Unit-I

Hours: 11

General Introduction to Prakrit Language

History and antiquity of Prakrit language

Chronological divisions of Prakrit

Early Prakrit

Received medieval

Arvachin Prakrit

Major trends and regional variations of Prakrit language – Maharashtrian, Shaurseni etc.

Prakrit inscriptional and Agama literature

General introduction to inscriptional Prakrit

Ashoka's inscriptions

Hathigumpha inscription of Kharavela

Agama literature-

General introduction to Agama literature

Uttaradhyayan Sutra – Selected Excerpts

Unit II**Hours: 11****Prakrit Grammar and Phonetics**

Prakrit Grammar – General Rules

Sound Science

Sound change

Sound change in uncombined consonants (omission etc.)

Sound change in combined consonants (equation etc.)

Yashruti, Anuswar, Anunasik

Unit III**Hours: 12****Introductory Study of Prakrit Poetry Literature**

Epic – Setubandha, Gaudvaho, Kumaravalachariyam

Khandakavya – Kansavho, Usanirudh

Biography – Paumchariyam

Champakavya – Kuvalayamalakaha

Story poetry-Vasudevahindi, Samaraicchakaha, Sursundarikaha,

Tarangavaikaha, Dhuttakhyaan.

Muktakavya- Gahasattasai, Vajjalaggam, Gaharayankos

Sattak – Karpoormanjari, Chandraleha, Shringaramanjari, Anandsundari

Drama – Prakrit excerpts from Sanskrit plays

• Abhijnanashakuntalam

• Swapnavasavadattam

• Mrichchakatikam

Examples of Prakrit are given in the Sanskrit poetics.

Unit IV**Hours: 11****Prakrit Composition Translation and Writing**

Translation from Prakrit to Hindi/Sanskrit/English

Translation from Hindi/Sanskrit/English to Prakrit

Writing of Essays/Story/Letters etc.

Tutorial Activities:

- Basics of Prakrit
- Text Readings
- Group Discussion
- Presentation

Essential/Recommended Readings/Texts

1. जैन साहित्य का बृहत् इतिहास, भाग 1 पं. बेचरदास दोशी, पार्श्वनाथ विद्याआश्रम शोध संस्थान, वाराणसी- 1989
2. जैन आगम साहित्य: मनन और मीमात्ता आचार्य देवेन्द्र मुनि शास्त्री, श्री तारक गुरु जैन ग्रंथालय, उदयपुर - 2012
3. इंट्रोडक्शन टू अर्थमागधी डॉ. ए. एम. घाटगे, स्कूल एंड कॉलेज बुक स्टाल, कोल्हापुर 1981
4. प्राकृत भाषाओं का व्याकरण डॉ. आर पिशेल (हिन्दी संस्करण) बिहार राष्ट्र भाषा परिषद्, पटना-1958
5. प्राकृत भाषा एवं साहित्य का आलोचनात्मक इतिहास, डॉ. नेमिचन्द्र शास्त्री, तारा बुक एजेंसी, वाराणसी- 2014

6. प्राकृत भाषा से अनुप्राणित भारतीय भाषाएँ, संपादन डॉ. ज्योतिबाबू जैन, भारतीय ज्ञानपीठ, दिल्ली - 2022
7. प्राकृत स्वयं शिक्षक, डॉ. प्रेम सुमन जैन, प्राकृत भारती अकादमी, जयपुर
8. प्राकृत रचना सौरभ, डॉ. के. सी. सोगानी, अपभ्रंश साहित्य अकादमी, जयपुर 2000
9. जैन धर्म आचार्य, सुशील मुनि, आचार्य सुशील प्रकाशन, नई दिल्ली-

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-09: Sāmaveda, Chāndogyopaniṣad & Vaidika Chanda

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sāmaveda, Chāndogyopaniṣad & Vaidika Chanda	04	3	1	0	Nil	Nil

Learning Objectives

The course familiarizes the learners with the opening information about Sāmveda. It enables them to chant its hymns precisely and with apt intonation. The course introduces the students with the spiritual principles of the Chāndogyopaniṣad. It enumerates Vedic chhandas along with their features and intonation.

Learning outcomes

After completion of this course, the students:

- will introduce Sāmveda with its distinct features.
- will describe the diacritical symbols unique to the Sāmveda.
- will chant hymns from Sāmveda with proper pronunciation and intonation.
- will enlist spiritual principles of the Chāndogyopaniṣad.
- will identify chhandas from their features and chant hymns with correct pronunciation and intonation.

Detailed Syllabus

Unit: I

Hour 11

- Sāmveda: Purvārcika, Āgneya Kāṇḍa, Adhyāya-1, Khaṇḍa-1
- Sāmveda: Purvārcika, Aindra Kāṇḍa, Adhyāya- 2, Khaṇḍa- 3
- Sāmveda: Purvārcika, Pavamāna Kāṇḍa, Adhyāya- 5, Khaṇḍa- 1, 2

Unit: II

Hour 11

- Sāmveda: Purvārcika, Aranya Kāṇḍa, Adhyāya- 6, Khaṇḍa- 1- 4
- Sāmveda: Uttarārcika, Adhyāya- 21, Khaṇḍa-1, Tṛca 6-9

Unit: III

Hour 11

Chāndogyopaniṣad-

- Adhyāya – 03, Khaṇḍa- 01. (Madhu Vidyā)
- Adhyāya – 04, Khaṇḍa- 11. (Gārhapatyāgni Vidyā)
- Adhyāya – 05, Khaṇḍa- 01. (Prāṇah Jyeṣṭhah Sreṣṭhasca)
- Adhyāya – 06, Khaṇḍa- 01. (Aaruṇi Śvetaketu Samvāda)

Unit: IV**Hour 12**

- Vaidika Chanda- Gāyatrī, Uṣṇik, Anuṣṭup, Bṛhatī, Pañkti, Triṣṭup, Jagatī etc.

Tutorial Activities:

- Recitation Practice (Saṃhitā Pāṭha)
- Vedic Metre Analysis
- Chant and Chandas Correlation Exercise

Essential/Recommended Readings/Texts**Essential Readings:**

1. सातवलेकर श्रीपाद दामोदर, सामवेद संहिता, स्वाध्याय मंडल, आनंद आश्रम, पारडी, 2000
2. छान्दोग्य उपनिषद्, (सानुवाद शाङ्करभाष्यसहित) गीताप्रेस गोरखपुर, 2021
3. व्यास युगलकिशोर, ऋक् प्रातिशाख्यम्, बृज बिहारीदास एण्ड कम्पनी, वाराणसी, 1994
4. द्विवेदी कपिलदेव, सिंह श्यामलाल (अनुदीत) पिंगलकृत पिंगल कृत छन्दःसूत्रम्: (वैदिक गणितीय अनुप्रयोगों सहित), वाराणसी विश्वविद्यालय प्रकाशन 2008
5. शास्त्री छज्जूराम, निरुक्त, मेहरचंद लछमनदास पब्लिकेशन्स, नई दिल्ली, 2023
6. बन्धु मनुदेव, छान्दोग्योपनिषद्: एक अध्ययन, भारतीय विद्याभवन प्रकाशन, नई दिल्ली, 1987
7. झा गंगानाथ, छान्दोग्योपनिषद् - शंकर भाष्य साहित्य, ओरिएंट बुक एजेंसी, पुणे, 1995
8. सिद्धांतालंकार पं. हरिशरण, शर्मा जयदेव, सातवलेकर पं. दामोदर, ब्रह्ममुनि स्वामी और शर्मा पं. तुलसीराम, सामवेद भाष्य, नाग प्रकाशन, नई दिल्ली, 1992
9. वेदालंकार आचार्य रामनाथ, सामवेदभाष्य, समर्पण शोध संस्थान, साहिबाबाद उत्तर प्रदेश 1998
10. Arnold, E.V. Vedic Metre in its Historical Development, Cambridge University Press, 1905.
11. Dwivedi Dr. Kapildev, Vedic Literature and Culture, University Publications, Varanasi. 2002.
12. Saraswati Swami Satyaprakash, Sāmveda Samhita (English translation), Veda Pratishthan, New Delhi, 2009.
13. Sharma Pankajmala, Samagan: Origin, Practice and Theory, Katyayan Vedic Sahitya Prakashan, Hoshiarpur, 1996.
14. Vidyamartanda Vishwanath, Samaveda (Spiritual Commentary), Dayanand Sansthan, Delhi, 2003.

Additional Resources:

1. Tripathi Radhavallabh, Veda in Theory and Practice, DK Printworld Ltd, New Delhi, 2006.
2. Tathagatananda, Swami, 'Journey of the Upanisads to the West', Advaita Ashram Publication, Kolkata, 2010.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9 : Vaidika Vyākaraṇa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vaidika Vyākaraṇa	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of the course is to equip the students with the knowledge of Aṣṭādhyāyī Sūtras related to Vedic contexts. It will also help the students to know about Vaidika Sandhi, Svāra, Pratyaya etc. Varṇocāraṇaśikṣā defines Varṇa, Svāra etc. for proper pronunciation of Vedic mantras.

Learning outcomes

After completion of this course, the students:

- will learn about Vaidika Sandhi, Svāra and Pratyaya etc.
- will be able to understand the concept of Vyatyaya
- will be able to appreciate the role of Varṇocāraṇaśikṣā for understanding Vedic verses, and related issues.
- will be able to recite Mantras in their true form with the knowledge of Vaidika Svāra.
- will be successful in applying this knowledge for exploring other Vedic texts.

Detailed Syllabus

Unit: I	Hour 11
Siddhāntakaumudī, Vaidikī Prakriyā, Chapter 1-4	
Unit: II	Hour 12
Siddhāntakaumudī, Vaidikī Prakriyā, Chapter 5-8	
Unit: III	Hour 11

Vaṇocāraṇaśikṣā (Dayānanda)

Unit: IV

Hour 11

Vaidika Svāra : Udāṭṭa, Anudāṭṭa, Svarita, Pracaya, Kampa, Amantritasvāra, Akhyātasvāra, Pratyasvāra, Svāra Vyatyaya

Tutorial Activities:

- Doubt solving classes.
- Development of writing and reading skills in Sanskrit.
- Learning of Vedic Declension, Conjugation, and Pratyaya.
- Practice of Vedic Accent.

Essential/Recommended Readings/Texts

1. वैयाकरणसिद्धान्तकौमुदी (वैदिकी प्रक्रिया), हिन्दी व्याख्या सहित, सम्पादक,
2. डॉ. उमा शंकर शर्मा 'ऋषि', चौखम्बा विद्याभवन, वाराणसी।
3. वैयाकरणसिद्धान्तकौमुदी (वैदिकी प्रक्रिया), हिन्दी व्याख्या, दामोदर महतो, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
4. वैदिक व्याकरण, आर्थर एन्थोनी मैकडानल, अनुवादक, सत्यव्रत शास्त्री, मोतीलाल बनारसीदास, दिल्ली,
5. वैदिक व्याकरण, डॉ. रामगोपाल, मयूर पेपरबैक्स, नौएडा, २००३
6. वैदिक व्याकरण, उमेशचन्द्र पाण्डेय, चौखम्बा विद्याभवन, वाराणसी, 2003
7. पाणिनीयशिक्षा, 'आभा' हिन्दी टीका, प्रो. श्री नारायण मिश्र, चौखम्बा विद्याभवन, वाराणसी।
8. सौवरः, स्वामी दयानन्द सरस्वती, वैदिक यन्त्रालय, अजमेर, राजस्थान।
9. वैदिकस्वरमीमांसा, पं. युधिष्ठिर मीमांसक, रामलाल कपूर ट्रस्ट, रेवली, सोनीपत।
10. वैदिकस्वरबोध, डॉ. ब्रजबिहारी चौबे, वैदिक साहित्य सदन, होशियारपुर, पंजाब।
11. वैदिक-स्वर-अवधारणा, डॉ. पारसनाथ त्रिपाठी, संदीप प्रकाशन, बस्ती, १९७८
12. स्वरप्रक्रियाप्रकाश, डॉ. वामदेव मिश्र, गीता संस्कृत प्रकाशन, राजमन्दिर, वाराणसी, १९७५

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-9: Brahmasūtraśrībhāṣya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Brahmasūtraśrībhāṣya	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with advanced knowledge of the Vishishtadvaita Vedānta system by critically examining Rāmānuja's commentaries on the Brahmasūtra. The course aims to foster a deeper understanding of the philosophical debates and principles articulated in these seminal works.

Learning outcomes

Upon completing this course, students will:

- Understand viśiṣṭādvaita as a philosophical position within the context of Indian philosophy.
- Critically evaluate Rāmānuja's interpretations of the Brahmasūtra.
- Gain extensive and in-depth knowledge of Vishishtadvaitic metaphysical, ethical, and analytical frameworks.
- Explore the methods used by Rāmānuja, including their reliance on Śruti (scriptures), Smṛti (tradition), and Anubhava (experience), to substantiate their viśiṣṭādvaita theories.

Detailed Syllabus

Unit: I Hour 11

- Brahmasūtraśrībhāṣya (1.1.1) Jijñāsādhikaraṇa

Unit: II Hour 11

- Brahmasūtraśrībhāṣya (1.1.2) Janmādyadhikaraṇa

Unit: III Hour 11

- Brahmasūtraśrībhāṣya (1.1.3) Śāstrayonitvādhikaraṇa

Unit: IV Hour 12

- Brahmasūtraśrībhāṣya (1.1.4) Samanvayādhikaraṇa

Tutorial Activities:

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. ब्रह्मसूत्रभाष्यम् श्रुतप्रकाशिकायुतम्. विशिष्टाद्वैत प्रचारिणी सभा, मद्रास. 1989
2. श्रीभाष्यम्, (व्या.) शिवप्रसाद द्विवेदी, चौखम्बा विद्याभवन, वाराणसी. 2019
3. श्रीभाष्यम्, (व्या.) ललित कृष्ण गोस्वामी, श्री निम्बार्काचार्य पाट, प्रयाग, सं. 2030
4. Sri Bhashya, (Tr.) M. Rangacharya, The Brahmavadin Press, Madras, 1899

Additional Resources

1. शर्मा, चन्द्रधर. भारतीय दर्शन: आलोचन व अनुशीलन. मोतीलाल बनारसीदास, दिल्ली, 2001.
2. उपाध्याय, बलदेव. संस्कृत वाङ्मय का बृहद इतिहास (वेदान्त खण्ड), उत्तर प्रदेश संस्कृत संस्थान, लखनऊ, 2001.
3. Chari, S. M. S. *Fundamentals of Viśiṣṭādvaita Vedānta*. Motilal Banarsidass, Delhi. 1998
4. Hiriyanna, M. *Outline of Indian Philosophy*. George Allen & Unwin Ltd., London, 1967.
5. Pandey, Ram Chandra. *Panorama of Indian Philosophy*. English and Hindi versions, Motilal Banarsidass, Delhi, 1966.
6. Radhakrishnan, S. *Indian Philosophy, Vols. 1–2*. London, 1967. (also Hindi translation by Nanda Kishor Gomil, Delhi, 1986.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Nyāyasiddhāntamuktāvalī II**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Nyāyasiddhāntamuktāvalī II	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with an in-depth understanding of the metaphysical and epistemological theories formulated by the Nyāya-Vaiśeṣika tradition. Through the study of Nyāyasiddhāntamuktāvalī by Viśvanātha Nyāyapañcānana, the course aims to develop critical knowledge of the core principles and categories of this philosophical school.

Learning outcomes

Upon completing this course, students will:

- Develop an understanding of Realism in the Indian philosophical context.
- Gain extensive knowledge of Nyāya-Vaiśeṣika categories.
- Acquire fundamental insights into other philosophical positions concerning the categories endorsed by the Nyāya-Vaiśeṣika tradition.
- Appreciate and differentiate the diverse perspectives and debates within the Nyāya-Vaiśeṣika tradition.

Detailed Syllabus

Unit: I	Hour 11
Nyāyasiddhāntamuktāvalī Anumāna Khaṇḍa (Kārikā 66-67) Anumiti, Parāmarśa	
Unit: II	Hour 11
Nyāyasiddhāntamuktāvalī Anumāna Khaṇḍa (Kārikā 68-69) Vyāpti, Pūrvapakṣa-vyāpti, Siddhāntapakṣa-vyāpti	
Unit: III	Hour 11
Nyāyasiddhāntamuktāvalī Anumāna Khaṇḍa (Kārikā 70-71) Pakṣa, Hetvābhāsa & its types	
Unit: IV	Hour 12
Nyāyasiddhāntamuktāvalī Anumāna Khaṇḍa (Kārikā 72-78) Savyabhichar, Viruddha, Asiddhi, Satpratipakṣa & Badh Hetvābhāsa	

Tutorial Activities:

1. Textual Reading & Explanation
2. Concept Mapping
3. Analytical Discussion
4. Comparative Study
5. Debate Session
6. Writing Assignment
7. Quiz & Oral Examination
8. Presentation
9. Research Extension
10. Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. भट्टाचार्य, विश्वनाथ पञ्चानन. *न्यायसिद्धान्तमुक्तावली दिनकरी*. व्याख्याकार: राजाराम शुक्ल, भारतीय उच्च अध्ययन संस्थान, शिमला. 2015
2. भट्टाचार्य, विश्वनाथ पञ्चानन. *कारिकावली* (प्रभा-मञ्जूषा-दिनकरी-रामरुद्री इत्यादि टीकाओं सहित). चौखम्बा संस्कृत सिरीज, वाराणसी. 1996
3. भट्टाचार्य, विश्वनाथ पञ्चानन. *न्यायसिद्धान्तमुक्तावली*. व्याख्याकार: कृष्णवल्लभाचार्य, चौखम्बा संस्कृत संस्थान, वाराणसी, 1990
4. भट्टाचार्य, विश्वनाथ पञ्चानन. *कारिकावली* (मुक्तावली सहित अनुमानोपमानशब्दस्मृतिमनोगुणखण्डात्मिका). व्याख्याकार: लोकमणि दहाल, चौखम्बा सुरभारती प्रकाशन, वाराणसी

Additional Resources

1. शास्त्री, धर्मेन्द्रनाथ. *न्याय वैशेषिक*. मोतीलाल बनारसीदास, दिल्ली, 1968.
2. Dasgupta, S. N. *A History of Indian Philosophy*. Motilal Banarsidass, Delhi, 1975. (Also Hindi translation by Kalanath and Sudhir Kumar, Rajasthan Hindi Granth Academy, 1978).
3. Hiriyanna, M. *Outlines of Indian Philosophy*. George Allen & Unwin Ltd., London, 1967.
4. Mishra, Umesh. *History of Indian Philosophy, Vol. 2, Nyāya-Vaiśeṣika*. Tribhukti Prakashan, Allahabad, 1966.
5. Pandey, Ram Chandra. *Panorama of Indian Philosophy*. English and Hindi versions, Motilal Banarsidass, Delhi, 1966.
6. Radhakrishnan, S. *Indian Philosophy, Vols. 1-2*. London, 1962. (Also Hindi translation by Nanda Kishor Gomil, Delhi, 1986).
7. Shastri, D. N. *Critique of Indian Realism*. Bhartiya Vidya Prakashan, Delhi, 1976.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Subhāṣitakāvya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Subhāṣitakāvya	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to give the students glimpses of the Subhāṣitasamgrakāvya in Sanskrit literary tradition through the reading of four very important compositions of Dharadāsa, Jalhana, Vedāntadeśika and Amitagati.

Learning outcomes

After completion of this course the students:

- will be able to appreciate the values of so many good sayings in prescribed composition.
- Will understand the structural patterns of Sanskrit Subhāṣitasamgrakāvya.
- Will be familiar with the individual styles of so many poets.

Detailed Syllabus

Unit: I सदुक्तिर्णामृत (धरदास) — उच्चावच प्रवाह	Hour 11
Unit: II सूक्तिमुक्तावली (जल्हण) — नमस्कार एवं आशीर्वादपद्धति	Hour 11
Unit: III सुभाषितनीवी (वेदान्तदेशिक)	Hour 11
Unit: IV सुभाषितरत्नसन्दोह (अमितगति) — (प्रारम्भिक 100 पद्य)	Hour 12

Tutorial Activities:

- Śloka-by-Śloka Commentary Exercise
- Identify the Message” Discussion Circle
- Role-Play & Storytelling
- Subhāṣita Recitation Competitions
- Compose Your Own Subhāṣita
- Essential/Recommended Readings/Texts

Essential Readings:

1. सद्भुक्तिकर्णामृत (धरदास) – राधावल्लभ त्रिपाठी, साहित्य अकादमी, दिल्ली, 2007
2. सद्भुक्तिकर्णामृत (धरदास) – रामावतार शर्मा, हरदत्त शर्मा, मोतीलाल बनारसीदास, लाहौर
3. सद्भुक्तिकर्णामृत (धरदास) – सुरेश चन्द्र बनर्जी, फर्मा के. एल. मुखोपाध्याय, कलकत्ता, 1965
4. सूक्तिमुक्तावली (जल्हण) – ई. कृष्णमाचार्य, गायकवाड ओरियण्टल सीरीज, बडोदा, 1938
5. सुभाषितनीवी (वेदान्तदेशिक) – नरसिंहाचार्य, श्रीवाणी विलास प्रेस, श्रीरंगम्
6. सुभाषितरत्नसन्दोह (अमितगति) – श्रीलालजैन काव्यतीर्थ, राष्ट्रियसंस्कृतसंस्थान, दिल्ली, 2010

Additional Resources:

1. शर्मा उमा शंकर 'ऋषि' – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
2. व्यास भोलाशंकर – संस्कृत कवि दर्शन, चौखम्बा विद्याभवन, वाराणसी
3. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
4. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9 Navyakāvyaatattvamīmāṃsā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Navyakāvyaatattvamīmāṃsā	04	3	1	0	Nil	Nil

Learning Objectives

The course seeks to introduce contemporary theories on Sanskrit poetics, dealing with traditional and modern questions. It seeks to show how Sanskrit Poetics is a living tradition.

Learning outcomes

After completion of this course the students:

- Will have an understanding of the new approach in the realm of Sanskrit Poetics,
- Will acquire knowledge of the different dimensions of poetry i.e. effects (Prayojana). cause (Hetu), definition (Lakshana) and forms (Kavya-Bheda), poetics -Excellences (Kavya-Guna) etc. through the reading of the texts of Navyakāvyaatattvamīmāṃsā of Acharya Rahasa Bihari Dwivedi.
- Will become aware of the new concept of soul of Poetry.
- Will acquire the knowledge of the different dimensions of poetics.
- will be able to compare modern and ancient thoughts of Poetics.
- will gain the ability to explain and critically analyze the prescribed texts.

Detailed Syllabus

Unit: I

Hour 11

प्रथमोन्मेष : संस्कृतवाग्वैशिष्ट्य, काव्यप्रयोजन, काव्यहेतु, काव्यस्वरूप ।

द्वितीयोन्मेष : नवीन रस – राष्ट्रभक्तिरस, प्रक्षोभरस, भक्तिरस ।

तृतीयोन्मेष : प्राक्तन आचार्यों द्वारा किए गए काव्यान्तस्तत्त्वों का निरूपण – रस, अलंकार, रीति, मार्ग, ध्वनि, गुण, रीति-मार्ग नामकरण वैमत्य, वक्रोक्ति, औचित्य, उक्ति, गुम्फनाबन्ध, सौन्दर्य ।

Unit: II

Hour 11

चतुर्थोन्मेष : अभिनव काव्यविधाओं का स्वरूप – महाकाव्य (अन्य काव्य विधाएँ), दूतकाव्य, खण्डकाव्य, विमानकाव्य, लहरीकाव्य, स्तोत्रकाव्य, शतककाव्य, समस्यापूर्तिकाव्य, गुप्ताशुद्धिकाव्य, नभोनाट्यम (आकाशवाणीरूपक), गीतकाव्य, रागकाव्य, अनुकृतिकाव्य, हास्य-व्यंग्यकाव्य, अन्योक्तिकाव्य, विल्वपत्र - (हाईकू) काव्य, तान्काकाव्य, सीजोकाव्य, लघुबिम्बकाव्य, लिपिरूपककाव्य, लघुवर्णकाव्य ।

पञ्चमोन्मेष : गद्यविधा – उपन्यास, लघुकथा, निबन्ध और आलेख, संस्मरण, समीक्षा, आलोचना, अनुशीलन और परिशीलन, अवेक्षण, विमर्श, मीमांसा ।

षष्ठोन्मेष : काव्य के नूतन लोकोत्तराह्लाद प्रकार – बिम्बबिधान, विरेचन और उत्कृष्टता।

Unit: III

Hour 11

सप्तमोन्मेष : अन्य वैदेशिक मत – लेटिन समीक्षक – होरेस, किन्टीलियन, फिलिपसिडनी, ड्राइडन।

आंग्ल समीक्षा में नूतन प्रवृत्तियाँ – मिल्टन, जोन्सन, लांजायन-मिल्टन के मत में समत्व, जानडोविस, जोसफ ऐडिसन, एडवर्ड यंग, रिचर्डहर्ड, अलेक्जेंडर पोप, सैम्युअल वर्ड्सवर्थ, सैम्युअल टेलर कालरिज, शेली, थामसलवपीकाक, एस. टालस्टाय, मैथ्यूआर्नोड, बेनेडेट कोचे, आइ. एस. रीचर्डस, टी. एस. इलियट, टी. एस. ह्यूमा

Unit: IV

Hour 12

अष्टमोन्मेष : साहित्य में विविध वाद – साम्यवाद, समाजवाद, वास्तववाद, अस्तित्ववाद, राष्ट्रवाद, रहस्यवाद, विदेशवाद, स्वच्छन्दतावाद, मनोविश्लेषणवाद, अभिव्यक्तिवाद, प्रभाववाद, प्रगतिवाद, प्रयोगवाद, आकारवाद, नारीवाद, जनवाद और शाश्वतिकवाद। भारतीय मत का वैशिष्ट्य।

Tutorial Activities:

1. Textual Reading & Explanation
2. Concept Mapping
3. Analytical Discussion
4. Comparative Study
5. Debate Session
6. Writing Assignment
7. Quiz & Oral Examination
8. Presentation
9. Research Extension
10. Interdisciplinary Connection

Essential/Recommended Readings/Texts

Essential Readings:

1. द्विवेदी, रहस्यबिहारी – नव्यकाव्यतत्त्वमीमांसा – अक्षयवट प्रकाशन, २६ बलरामपुर हाउस, प्रयागराज, उत्तर प्रदेश – प्रथम संस्करण – २०२४

Additional Resources:

1. द्विवेदी, रेवा प्रसाद, भारतीय काव्यसमीक्षा में अलङ्कार सिद्धान्त, मेकमिलन एण्ड कम्पनी, दिल्ली, 1980
2. द्विवेदी, रेवा प्रसाद, संस्कृत काव्यशास्त्र का आलोचनात्मक इतिहास, कालिदास संस्थान, वाराणसी, 2007
3. द्विवेदी, रहस्यबिहारी, साहित्यविमर्शः, सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2002
4. नान्दी, टी.एस., सहृदयालोकलोचन, एल. डी. इंस्टीट्यूट ऑफ इंडोलॉजी, अहमदाबाद, 2005
5. पाण्डेय, रमाकान्त, आधुनिकसंस्कृतकाव्यशास्त्रसमीक्षणम्, जगदीश संस्कृत पुस्तकालय, जयपुर, 2009
6. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
7. यादव राजमङ्गल, संस्कृत काव्यशास्त्र की अर्वाचीन परम्परा, प्रतिभा प्रकाशन, दिल्ली, 2011

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Rasagaṅgādhara**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Rasagaṅgādhara	04	3	1	0	Nil	Nil

Learning Objectives

Rasagaṅgādhara of Paṇḍitarāja Jagannātha is an important text in Sanskrit poetics. The purpose of this course is to introduce the learners with the latest dimensions with a complete tradition of Sanskrit poetics. The concept of Sanskrit poetics with examples in Navya Nyāya style will also be focused in this course.

Learning outcomes

Upon Successful completion of this course students:

- will form a deep understanding of the fundamental terminologies of kavya as presented by Paṇḍitarāja Jagannātha.
- will be successful in applying this knowledge of Navya Nyāya style for critical analysis in the light of Sanskrit poetics.
- will gain the ability to explain and critically analyze the prescribed texts.
- will be able to appreciate and enjoy the expressions of poetry.

Detailed Syllabus

Unit: I	Hour 11
प्रथम आनन — प्रारम्भ से काव्यभेद पर्यन्त	
Unit: II	Hour 11
प्रथम आनन — रसनिरूपण	
Unit: III	Hour 11
प्रथम आनन — गुणनिरूपण, शब्दगुणलक्षण	
Unit: IV	Hour 12
प्रथम आनन — अर्थगुणलक्षण, भावध्वनि, भावलक्षण तथा रसाभास से प्रथम आनन की समाप्ति पर्यन्त	

Tutorial Activities:

- Orientation to Jagannātha and His Contribution
- Rasa Illustration Workshop
- Dhvani Analysis Exercise

- Comparative Discussion: Dhvani vs. Rasa-prādhānya
- Group Discussion: Rasa and Modern Aesthetics

Essential/Recommended Readings/Texts

Essential Readings:

1. रसगङ्गाधर – पण्डितराज जगन्नाथ, (व्या.) पं. बदरीनाथ झा, पं. मदनमोहन झा, चौखम्बा विद्याभवन, वाराणसी.
2. रसगङ्गाधर – पण्डितराज जगन्नाथ, (व्या.) दलवीर सिंह चौहान, रूपेश कुमार चौहान, चौखम्बा कृष्णदास अकादमी, वाराणसी.
3. रसगङ्गाधर – पण्डितराज जगन्नाथ, (व्या.) भट्ट मथुरानाथ शास्त्री, मोतीलाल बनारसीदास, दिल्ली.
4. रसगङ्गाधर – पण्डितराज जगन्नाथ, (व्या.) रामाधार शर्मा, भारतीय बुक कार्पोरेशन, दिल्ली.

Additional Resources:

1. De, Sushil Kumar, History of Sanskrit Poetics (also Hindi translation), Oriental Book Centre, Delhi, 2006.
2. Kane, P.V., *History of Sanskrit Poetics* (also Hindi translation), M.L.B.D., Delhi, 2002.
3. Pandey, Kanti Chandra, *Comparative Aesthetics*, Vol. 1, (also Hindi translation Chaukhamba Sanskrit Series Office, Varanasi, 1972.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Vaiyākaraṇasiddhāntaparamalaghumañjūṣā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	04	3	1	0	Nil	Nil

Learning Objectives

The Objective of this course is to make the students acquire an advance knowledge of the derivational process of the Sanskrit Verbal root through the readings of the text of Siddhantkaumudī.

Learning outcomes

After the completion of this course the students will:

- be able to interpret the Sūtras of the relevant portions of the text
- be able to understand important application of interpretive rules and concepts such as -the
- concept of Vipraṭiṣṭhā edheparam kārya, general & exception rules (utsargāpavāda vyavasthā), Metarules (Paribhāṣā) in the derivational process.
- be able to identify and use the advanced forms of the words ending within suffixes in actual language situations.
- be able to explain the derivational process of the Sanskrit verbal paradigms.

Detailed Syllabus

Unit: I	Hour 11
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	
Unit: II	Hour 11
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	
Unit: III	Hour 11
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	
Unit: IV	Hour 12
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	

Tutorial Activities:

- Doubt solving class
- Concept Clarification Chart
- Applied Grammar Analysis

Essential/Recommended Readings/Texts

1. वैयाकरणसिद्धान्तकौमुदी (बालमनोरमा-तत्त्वबोधिनी-टीका) गिरिधरशर्माचतुर्वेदएवंपरमेश्वरानन्दशर्मा, तृतीयभाग, दिल्ली.
2. गोविन्दाचार्य, वैयाकरणसिद्धान्तकौमुदी (चतुर्थभाग: प्रथमखण्ड, द्वितीयखण्ड), चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2010.
3. जिज्ञासु, पं. ब्रह्मदत्त सोनीपत, हरियाणा अष्टाध्यायी (भाष्य) प्रथमावृत्ति, रामलालकपूरट्रस्ट, बहालगढ़.
4. शास्त्री शिवनारायण, वैयाकरण-सिद्धान्तकौमुदी, भ्वादिगण (भवतोषिणी हिन्दीटीका सहित), दिल्ली 1989.
5. Sharma, Ramanath - The Astadhyayi of Panini, Vol.1 to Vol. 6, Munshiram Monoharlal Publishers Pvt. Ltd. Delhi. 1987-2003.
6. Vasu, S.C. The Astadhyayi of Panini (2 Vols.), Motilal Banarasadass, Delhi-1997.
7. E-Learning Tools developed by Computational Sanskrit Group, Department of Sanskrit University of Delhi available at: <https://cl.sanskrit.du.ac.in>.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Mahābhāṣya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Mahābhāṣya	04	3	1	0	Nil	Nil

Learning Objectives

This course intends to introduce the students to some very important concepts of philosophy of language as propounded by the Grammarian philosophers through the reading of the texts of Mahābhāṣya.

Learning outcomes

After the completion of this course the students will:

- be able to observe and appreciate the contributions of the ancient Indian Thinkers of the philosophy of language and linguistics.
- be able to understand the important, relevant and the purposes of the study of Grammar.
- be able to understand the issues of philosophy of Grammar in general.
- be able to understand the nature of the word, meaning and their relation.

Detailed Syllabus

Unit: I महाभाष्य, पस्पशाह्निक: प्रारम्भ से-प्रयोजन की समाप्ति पर्यन्त	Hour 11
Unit: II महाभाष्य, पस्पशाह्निक: व्याकरण-प्रयोजन अनन्तर (किं पुनरिदं व्याकर---) से समाप्ति पर्यन्त	Hour 11
Unit: III महाभाष्य, प्रत्याहाराह्निक: अइउण् से लेकर ऋलृक् सूत्र समाप्ति पर्यन्त तक	Hour 11
Unit: IV महाभाष्य, प्रत्याहाराह्निक: एओङ् से लेकर हयवर्ट् सूत्र समाप्ति पर्यन्त तक	Hour 12

Tutorial

- Pāṭha–Prayoga Connection Workshop
- Śabda-Bodha & Anvaya Exercise
- Identify Bhāṣya-Style Reasoning Patterns
- Comparative Grammarian Study
- Essential/Recommended Readings/Texts

Essential/Recommended Readings/Texts

1. महाभाष्य गिरिधरशर्मा चतुर्वेद एवं परमेश्वरानन्दशर्मा, चतुर्थभाग, दिल्ली.

Additional Resources:

1. वैयाकरणसिद्धान्तकौमुदी, श्रीधरमुखोल्लासिनी हिन्दीव्याख्यासमन्विता तद्धित प्रकरण, गोविन्दाचार्य व्याख्याकार एवं सम्पादिका लक्ष्मी शर्मा.
2. वैयाकरणसिद्धान्तकौमुदी, श्रीधरमुखोल्लासिनी हिन्दीव्याख्यासमन्विता स्त्री, कारक एवं समास प्रकरण, गोविन्दाचार्य व्याख्याकार एवं सम्पादिका लक्ष्मी शर्मा.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-9: Āpastamba Dharmasūtra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Āpastamba Dharmasūtra	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to introduce students to the Āpastamba Dharmasūtra, one of the oldest and most significant texts in the tradition of Dharmaśāstra. Students will learn about its social, ethical, and religious principles, with a focus on the practical guidelines. The course emphasizes the application of Dharma in personal and social spheres, particularly regarding daily rituals, social conduct, and sanskaras.

Learning outcomes

1. Students will develop a deep understanding of the ethical, social and religious principles outlined in the Āpastamba Dharmasūtra, and how they guide personal conduct and social interactions.
2. Learners will analyze how the Āpastamba Dharmasūtra addresses various aspects of social life, such as varna duties, marriage, family obligations, and the role of community in maintaining social order.
3. Students will examine the significance of religious rituals and rites, especially those related to purification, sacrifices, and rites of passage as outlined in the text.

Detailed Syllabus

Unit: I Āpastamba Dharmasūtra, Prathama Praśn Paṭala-1 to 6	Hour 11
Unit: II Āpastamba Dharmasūtra, Prathama Praśn Paṭala-7 to 11	Hour 11
Unit: III Āpastamba Dharmasūtra, Dvītīya Praśn Paṭala-1 to 6	Hour 11
Unit: IV Āpastamba Dharmasūtra, Dvītīya Praśn Paṭala-7 to 11	Hour 12

Tutorial Activities:

1. Group Discussion
2. Quiz

3. Case Study Analysis
4. PPT Presentation

Essential/Recommended Readings/Texts

1. पाण्डेय, उमेशचन्द्र.(2016). आपस्तम्ब-धर्मसूत्रम् (उज्ज्वला टीका सहित). चौखम्बा संस्कृत संस्थान, वाराणसी.
2. राकेश शास्त्री. आपस्तम्ब-धर्मसूत्रम् (उज्ज्वला टीका सहित). चौखम्भा ओरियन्टलिया, दिल्ली.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-9: Inscriptions of Pre-medieval India

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Inscriptions of Pre-medieval India	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce students to the study of pre-medieval inscriptions, focusing on their historical, cultural and linguistic importance. It aims to provide an understanding of the inscriptions from various regions before the medieval period, covering a wide range of dynasties, rulers and civilizations. The course will explore the content, style and scripts of these inscriptions, enabling students to analyze their significance in documenting political, religious and social developments. Students will learn how these inscriptions contribute to the reconstruction of ancient Indian history.

Learning outcomes

After the completion of this course, the students will:

- Understand the historical, cultural, and linguistic significance of pre-medieval inscriptions.
- Be able to analyze inscriptions from various dynasties and regions prior to the medieval period.
- Gain insights into the political, religious and social content of pre-medieval inscriptions.
- Develop the skills to interpret different scripts and styles used in pre-medieval inscriptions.
- Appreciate the role of pre-medieval inscriptions in reconstructing the history of ancient India.

Detailed Syllabus

Unit: I

Hour 11

- Historical study of Pre-Medieval India
- Significance & Geographical Spread of Inscriptions in the 'Rajput Age'
- Impact of land grants on economy
- Development of regional scripts

Unit: II

Hour 11

- Gwalior Inscription of Mihirbhoja
- Pehwa Inscription of Mahendrapala

Unit: III

Hour 11

- Banswada Inscription of Bhojadeva
- Ujjain Copper Plate Inscription of Bhojadeva
- Ujjain Copper Plate Inscription of Arjunvarmadeva

Unit: IV**Hour 12**

- Rajghat Inscription of Bhimadeva
- Delhi Topra Inscription of Bisaldeva
- Bodhgaya Inscription of Lakshmansena
- Palam Bawri Inscription of Uddhar
- Narayana-koop Inscription of Shridhara

Tutorial Activities:

- Learning of dating systems and chronology
- Study of dynastic lineage and genealogy
- Knowledge of geographical location and mapping
- Study of scripts, language and palaeography

Essential/Recommended Readings/Texts

1. मिश्र, राजेंद्र प्रसाद. शिलालेखों का अध्ययन: प्राचीन भारत. भारतीय विद्या प्रकाशन, दिल्ली, 2008.
2. श्रीवास्तव, के. सी. प्राचीन भारत का इतिहास तथा संस्कृति. यूनाइटेड बुक डिपो, इलाहाबाद, 2022.
3. सैनी, रणजीत सिंह. अभिलेखमञ्जूषा. न्यू भारतीय बुक कार्पोरेशन, दिल्ली, 2000.
4. प्रकाश, प्रेम. भारतीय शिलालेख और ऐतिहासिक स्रोत. चौखम्बा संस्कृत सीरीज, वाराणसी, 2010.
5. शर्मा, हरिशंकर. प्राचीन भारतीय शिलालेख और उनकी भाषा. हिंदीग्रंथ कार्यालय, दिल्ली, 2012.
6. सहाय, शिवस्वरूप. भारतीय पुरालेखों का अध्ययन. मोतीलाल बनारसीदास, दिल्ली, 2008.
7. ऋषि, उमाशंकर. अभिलेख रत्नमाला. नागरी प्रचारिणी सभा, वाराणसी, 1984.
8. Sircar, D.C. Select Inscriptions Vol II. Motilal Banarsidass, Delhi, 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Role of Museums in Preserving Indian Cultural Heritage

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Role of museums in preserving Indian Cultural Heritage	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to explore the vital role museums play in preserving and promoting Indian cultural heritage. It aims to provide students with an understanding of how museums collect, conserve, and display artifacts to safeguard India's rich cultural history. The course will also examine the functions of museums in education, research, and public engagement, helping students recognize the significance of museums in protecting and transmitting India's diverse cultural traditions for future generations.

Learning outcomes

After the completion of this course, the students will:

- Understand the role of museums in preserving and promoting Indian cultural heritage.
- Learn how museums collect, conserve, and display cultural artifacts.
- Appreciate the educational and research functions of museums in cultural preservation.
- Gain insights into how museums engage the public and raise awareness of cultural heritage.
- Recognize the significance of museums in safeguarding India's diverse cultural traditions for future generations.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Museums and Cultural Heritage

- Definition and evolution of museums
- Museums and cultural heritage preservation
- History and types of museums in India
- Museums and cultural identity

Unit: II

Hour 11

Museum Collections and Preservation Techniques

- Categories of museum collections
- Advanced preservation techniques
- Climate impact on preservation
- Ethical issues: Repatriation and restitution

Unit: III**Hour 11****Museums and Public Engagement in India**

- Museums as educational and historical spaces
- Role of museums in intangible heritage
- Impact of digital technologies on museums
- Museums and cultural tourism

Unit: IV**Hour 12****Challenges and Future of Museums in India**

- Financial and infrastructural challenges
- Museum management and professionalization
- Digitalization and online exhibits
- Future directions: Sustainability and community engagement

Tutorial Activities:

- Documentation and Cataloguing
- Education and Public Awareness
- Promotion of Cultural Identity and Unity
- Modern Developments
- Museum Visit Fieldwork
- Group Presentation Themes

Essential/Recommended Readings/Texts

1. “Indian Museums: The Evolution of Museums in India” by P.N. Chopra
2. “Museums and Cultural Heritage in India” by Ratan Parimoo
3. “भारतीय संग्रहालय और सांस्कृतिक धरोहर” by डॉ. रतन परिमू
4. “Museums and Artifacts: A Study of Indian Collections” by V.S. Pathak
5. “संग्रहालय और भारतीय कला” by डॉ. एस.के. मिश्र
6. “Indian Heritage: A Cultural Perspective” by K.K. Aziz

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Geographical, astronomical and philosophical elements in Viṣṇu-Purāṇa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Geographical, astronomical and philosophical elements in Viṣṇu-Purāṇa	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce the students to geography of ancient puranic time India, some basic elements of Astronomy and some philosophical theories mentioned in Viṣṇu Purāṇa.

Learning outcomes

After the completion of this course the students will:

- able to understand and explain the Geographical elements of Viṣṇu Purāṇa.
- able to know about the basics of astronomical theories in the light of Viṣṇu Purāṇa and compare with the modern theories.
- be able to explain the philosophical theories mentioned in Viṣṇu Purāṇa.

Detailed Syllabus

Unit: I Hour 11

विष्णुपुराण (द्वितीय अंश) : भूगोल का विवरण, भारतादि नौ खण्डों का विभाग, सात पाताल लोकों का वर्णन (2.2-5)

Unit: II Hour 11

विष्णुपुराण (द्वितीय अंश) : भिन्न-भिन्न नरकों का वर्णन (2.6.1-30), भूर्भुवः आदि सात लोकों का वर्णन (2.7)

Unit: III Hour 11

विष्णुपुराण (द्वितीय अंश) : सूर्य, नक्षत्र एवं राशियों की व्यवस्था तथा कालचक्र (2.8.1-92) नवग्रहवर्णन (2.12-1-24)

Unit: IV Hour 12

विष्णुपुराण (द्वितीय अंश) : दार्शनिक सिद्धान्त (2.14-16)

Tutorial Activities:

- Orientation to Viṣṇu-Purāṇa
- Purāṇic Map-Making Workshop

- Solar & Lunar Motion Interpretation
- Concept Mapping
- Thematic Presentation

Essential/Recommended Readings/Texts

Essential Readings:

1. विष्णुपुराण, गीताप्रेस गोरखपुर, सं. २०७१
2. विष्णुपुराण, सम्पा, टी.सी. उप्रेती, परिमल पब्लिकेशन्स, दिल्ली, 2005
3. विष्णुपुराण – सम्पा. - श्रद्धा शुक्ला, नाग प्रकाशन, दिल्ली

Additional Resources:

1. Tripathi, Diwakar Mani - Vishnu Puran Me Dharm Evam Darshan Ka Nirupan, Mahatma Gandhi Kashi Vidyapith, 2002.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Computing Sanskrit Grammar

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computing Sanskrit Grammar	04	3	0	1	Nil	Nil

Learning Objectives

Computational modeling of Pāṇini's Aṣṭādhyāyī (AD) is a field of study that aims to represent the grammar of Sanskrit in a logical, consistent, and non-verbal way. The goal is to create a framework that can be implemented algorithmically and used to evaluate hypotheses about the grammatical system. It also Aim to create a formal framework for representing the Pāṇinian system of Sanskrit grammar. The framework would use mathematical categories and logical relations to create a non-verbal representation.

Learning outcomes

Pāṇini's Aṣṭādhyāyī is a concise grammar of Sanskrit written in the form of about 4,000 sūtras. Some say that Pāṇini's grammar is similar to a modern computing language and that he laid the groundwork for universal computation. Students will be able to learn techniques of computing the AD.

Detailed Syllabus

Unit: I

Hour 11

Understanding the Rules for Analysis

- Paninian Methods for Understanding
- Role of the Various Types of Rules
- Decoding the Meta Concept of the Panini
- Understand the rule
 - Analyse the rules
 - List of external resource/rules

Unit: II

Hour 11

Development of Computational rule for Analysis

- Choosing best methods for generation of computational rules
- Rules Generation
- Exception handling
- Platform for the Rules: Text files/Database

Unit: III**Hour 11****Programming Algorithm**

- Programming Algorithm for Recognition
- Programming Algorithm for Analysis
- Select the Programming Language

Unit: IV**Hour 12**

- Computing the Sandhi Rules using Python
- Basics for the Python Programming Language

Practicals:

- Text Reading: Machine-Readable Grammar Concepts
- Concept Clarification Chart
- Sandhi Processor Exercise
- Database Creation
- Algorithm Design

Essential/Recommended Readings/Texts

1. <https://www.tutorialspoint.com/python>
2. <https://www.w3schools.com/python/>
3. <https://docs.python.org/3/tutorial/index.html>
4. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
5. <https://www.javatpoint.com/python-tutorial>
6. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
7. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.
8. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
9. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
10. Aamer Y. Khan, Python Programming Language with Python Project, Code Academy, 2024

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Computational Sanskrit Poetics and Poetry

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computational Sanskrit Poetics and Poetry	04	3	0	1	Nil	Nil

Learning Objectives

The course Explore the intersection of classical Sanskrit poetics and computational linguistics. It introduces students to the rich tradition of Sanskrit literary theories, including rasa (aesthetics), dhvani (suggestion), and alaṅkāra (figures of speech), while equipping them with computational tools to analyze and process poetic texts. Students will learn techniques for computational modeling of poetic structures, sentiment analysis, and the application of algorithms to study metrics, metaphors, and stylistics in Sanskrit literature. It explores key concepts, meter and alaṅkāra detection, and emerging interdisciplinary approaches, fostering both traditional understanding and digital innovation. By the end, learners will gain a unique perspective on integrating computational approaches with traditional Sanskrit poetics for research and innovation.

Learning outcomes

By the end of this course, students will:

1. Understand foundational principles and elements of Sanskrit poetics.
2. Learn computational techniques for meter detection and analysis.
3. Gain insights into identifying and analyzing śabda alaṅkāras using computational tools.
4. Explore emerging fields like gesture detection and rasa identification in Sanskrit aesthetics.
5. Develop practical skills in computational tool creation and application for Sanskrit poetics.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Digital Sanskrit Poetics

- Digital Sanskrit Poetics: Meaning, Relevance and Scope
- Introduction to Sanskrit Poetics:
Key Elements: Chhanda, Alaṅkāra, Rīti, Rasa, etc.

Unit: II

Hour 11

Meter Analysis and Detection

- Introduction to Sanskrit Meters (Chandas): Definition, Types, and Examples.
- Computational Analysis and Meter Detection Techniques.
- Issues and Challenges in Analyzing Meters.

- Hands-On Practice: Developing Computational Tools for Meter Analysis.

Unit: III**Hour 11****Alaṅkāra Analysis**

- Introduction to Śabda Alaṅkāra.
- Computational Detection of Śabda Alaṅkāra.
- Issues and Challenges in Automating Alaṅkāra Analysis.
- Hands-On Practice: Developing Computational Tools for Alaṅkāra Detection.

Unit: IV**Hour 12****New Emerging Fields and Their Issues and Challenges**

- NLTK for Sāhitya
- Hands-on Practice: Words Frequency Analysis of Śiśupālavadhāṃ (Māgha-kṛta)
- Gesture Detection from Mudrās in Nāṭyaśāstra
- Exploring Other Emerging Areas in Digital Sanskrit Poetics (Rīti, etc.)

Practicals:

- Practice of the Sanskrit Chanda, Alaṅkāra, Rīti, Rasa, etc.
- Practice of Sanskrit Meters (Chandas): Definition, Types, and Examples
- Practice of NLTK for Sāhitya
- Analyzing the Sanskrit Metre
- Practical exercises on meter (chandas) detection using computational tools.
- Sample datasets preparation for alaṅkāra detection.
- Hands-on practice with Python libraries (e.g., NLTK) for textual analysis.
- Word-frequency and stylistic pattern analysis of selected Sanskrit texts.
- Scripted experiments in rasa and dhvani identification using basic computational models.
- Guided exploration of digital repositories for Sanskrit poetic texts.
- Development of a small prototype tool for analyzing poetic structures.

Essential/Recommended Readings/Texts

1. Viśvanātha. Sāhityadarpaṇa. Commentary by Nīrūpaṇavidyālaṅkāra. Sāhitya Bhandar, Meerut, 2004.
2. Chaudhuri, Narendra Nath. Kāvyaatattva-Samīkṣā (Saṃskṛtam). Delhi.
3. Rai, Vikramaditya. Kāvyaśamīkṣā. Bharatiya Vidya Prakashan, Varanasi.
4. De, Sushil Kumar. History of Sanskrit Poetics. Oriental Book Centre, Delhi, 2006.
5. Kane, P. V. History of Sanskrit Poetics. MLBD, Delhi, 2002.
6. Pandey, Kanti Chandra. Comparative Aesthetics. Vol. 1. Chaukhamba Sanskrit Series Office, Varanasi, 1972.
7. Kṣemendra. Suvṛttatilaka. Ed. Vrajamohan Jha. Chaukhamba Sanskrit Series Office, Varanasi, 1968.
8. Kedārabhaṭṭa. Vṛttiratnākara. Ed. Baldev Upadhyaya. Chaukhamba Surbharati Prakashan, Varanasi, 2022.
9. Sharma, Dipak Kumar, editor. Suvṛttatilaka of Ksemendra. New Bharatiya Book Corporation, New Delhi, 2007.
10. Mammaṭa. Kāvyaśamīkṣā. Commentary by Ācārya Viśveśvara. Gyan Mandal Limited, Varanasi.
11. De, Sushil Kumar. History of Sanskrit Poetics. Oriental Book Centre, Delhi, 2006.
12. Kane, P. V. History of Sanskrit Poetics. MLBD, Delhi, 2002.
13. Piṅgala. Chandaḥsūtra. Various editions.

14. Śaṅkarānanda. Chandomañjarī. Chaukhamba Sanskrit Series.
15. Yādavaprakāśa. Vṛttiratnākara. Various scholarly editions.
16. Gajendragadkar, P. K. A New Approach to Sanskrit Prosody. University of Poona, 1964.
17. Mishra, Shiv Kumar. Sanskrit Chandaśāstra. Motilal Banarsidass, 2005.
18. Pande, G. C. Studies in Alaṅkāra Literature. Motilal Banarsidass, 1995.
19. Varma, V. S. Agrawala. Alaṅkāraśāstra. Chowkhamba, 2004.
20. Acharya, P. V. Kane. History of Sanskrit Poetics. Motilal Banarsidass, 2012.
21. De, Sushil Kumar. History of Sanskrit Poetics. Vols. 1–2. K. L. Mukhopadhyay, 1960.
22. Kunjunni Raja, K. Indian Theories of Meaning. The Adyar Library and Research Centre, 1980.
23. Masson, Jeffrey, and M. V. Patwardhan. Aesthetic Rapture. Motilal Banarsidass, 1970.
24. Raghavan, V., editor. New Dimensions in Sanskrit Poetics. Ramakrishna Mission, 1977.
25. Sastri, S. K. De. Studies in the History of Indian Aesthetics. Firma KLM, 1981.
26. Bird, Steven, Ewan Klein, and Edward Loper. Natural Language Processing with Python. O'Reilly, 2009.
27. Hellwig, Oliver. "Sanskrit Tagging and Digital Lexicography." Digital Humanities Quarterly, 2015.
28. Sharma, Muktabh Mayank. "NLP in Sanskrit: Current Developments and Challenges." Journal of Indic Studies, vol. 5, no. 2, 2021, pp. 35–52.
29. Sanskrit Library. Tools and Resources for Sanskrit Computational Analysis. sanskritlibrary.org
30. Brown, C. P. (2020). Sanskrit Prosody and Numerical Symbols Explained. (n.p.): Bod Third Party Titles.
31. Mukhopādhyāya, A. (2000). Sanskrit prosody: its evolution. India: Rabindra Bharati University.
32. सुवृत्ततिलक (क्षेमेन्द्र) – ब्रजमोहन झा, चौखम्बा संस्कृत सीरीज आफिस, वाराणसी, 1968
33. वृत्तरत्नाकर (केदारभट्ट) – बलदेव उपाध्याय, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2022
34. मिश्र, शोभाकान्त - अलंकार-धारणा : विकास और विश्लेषण, बिहार हिन्दी ग्रन्थ अकादमी, पटना।
35. मिश्र, जयमन्त – अलंकार प्रकाश, मोतीलाल बनारसीदास, दिल्ली
36. कृष्णकुमार - अलंकारशास्त्र का इतिहास, साहित्य भण्डार, मेरठ
37. Suvrttatilaka of Ksemendra - Dipak Kumar Sharma, New Bharatiya Book Corporation, New Delhi, 2007.
38. <https://www.tutorialspoint.com/python>
39. <https://www.w3schools.com/python/>
40. <https://docs.python.org/3/tutorial/index.html>
41. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
42. <https://www.javatpoint.com/python-tutorial>
43. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
44. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.
45. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
46. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
- Aamer Y. Khan, Python Programming Language with Python Project, Code Academy, 2024

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-9: Carakasamhitā: Chikitsasthana

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Carakasamhitā: Chikitsasthana	04	3	1	0	Nil	Nil

Learning Objectives

The Charaka Samhita is an ancient Ayurvedic medical treatise that aims to promote and maintain health, and cure disease. It also provides information on anatomy, physiology, and pharmacology. Ultimately the benefit of studying the Caraka Samhita is to achieve Dhatu Saamya (equilibrium of body components). The concept of Swastya is explained in every Sthana of Caraka Samhita which explains the significance or existence of concepts of personal health and well-being. The Charaka Samhita explains Ayurveda as the science of life, and the importance of maintaining a positive health.

Learning outcomes

- Students will be able to learn Charaka Samhita.
- Will promote and maintain health, and cure disease.
- Will be the further researchers in this field.
- Will able to learn basic concept of the Carakasamhitā: Chikitsasthana

Detailed Syllabus

Unit: I

Hour 11

Chikitsasthana

Rasāyana-adhyāya

Vājīkaraṇa-adhyāya

Unit: II

Hour 11

Chikitsasthana

Jvaracikitsita

Raktapittacikitsitam

Gulmacikitsitam

Unit: III

Hour 11

Pramehacikitsita

Kuṣṭhacikitsita

Rājyakṣmacikitsita

Unit: IV**Hour 12****Chikitsasthana**

Unmādacikitsita
 Apasmāracikitsita
 Kṣatakṣīṇacikitsita
 Śvayathucikitsita
 Udaracikitsita

Tutorial Activities:

- Tridoṣa Concept Mapping
- Practical Dinacaryā Journal
- Disease Case Interpretation (Roga-Nidāna)
- Herb Identification & Dravyaguṇa Table
- Comparison Activity: Charaka & Modern Science

Essential/Recommended Readings/Texts

1. विद्याधर शुक्ल और रविदत्त त्रिपाठी, 2015. चरक संहिता. Unknown. भाग- 1&2
2. ब्रह्मानन्द त्रिपाठी, 2024. चरक संहिता. चौखम्बा सुरभारती प्रकाशन. भाग- 1&2
3. Bargale, Sushant Sukumar, editor. Charaka Samhita Vol.-III (Sanskrit Text with English Translation): Chikitsa Sthana. Chaukhambha Publications, 2018.
4. Sharma, Priya Vart. Charak Samhita Text with English Translation (In 4 Vols.). Chaukhamba, 2017.
5. Datt, Shri Chakra Pani. *Charaka Samhita (Set of 4 Volumes)*. Chaukhamba, 2016.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-9: Sūryasiddhānta: Madhyamādhikāra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sūryasiddhānta: Madhyamādhikāra	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this paper is to teach the students ancient astronomy, calculation of time and Vedic calendar system.

Learning outcomes

After studying this course, students:

- Will be able to know the ancient Indian astronomical calculation.
- Will be able to know development of calendar system.
- Will be able to know the ancient Indian time units.
- Will be able to get the knowledge of Srishti-Prakriya.

Detailed Syllabus

Unit: I

मय के प्रति सूर्योपदेश, कालभेद, नाड़ी, विनाड़ी, नाक्षत्रअहोरात्र, चान्द्रमास, सौरमास, सुरासुर अहोरात्र, महायुग, ससन्धि मन्वन्तर ।

Hour 11

Unit: II

कल्प, ब्रह्मा का अहोरात्र, सृष्टिकालप्रमाणाग्रहों का गतिकारण, भगणकाल, भगण परिभाषा, ग्रहों के शीघ्रोच्च मन्दोच्च आदि संख्या, सावनदिन, अधिमास ।

Hour 11

Unit: III

गतवर्षानयन, अहर्गणसाधन, मासेश, वर्षेश, मध्यमग्रहसाधन, बृहस्पति वर्षानयन, ग्रहानयन ।

Hour 11

Unit: IV

भूपरिधिमान, स्पष्टभूपरिधिमान, देशान्तर, रेखान्तर, वारप्रवृत्ति, इष्टकालिकग्रहसाधन, पातविक्षेप।

Hour 12

Tutorial Activities:

- Astronomical Debate
- Astronomical Concepts
- Planetary Models

- Mathematical Concepts
- Analyze a passage from the Sūryasiddhānta in Sanskrit

Essential/Recommended Readings/Texts

1. सूर्यसिद्धान्त - (व्या.) कृष्णचन्द्र द्विवेदी, संपूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी
2. सूर्यसिद्धान्त - (व्या.) गणपतिलाल शर्मा, हंस प्रकाशन, जयपुर, राजस्थान
3. सूर्यसिद्धान्तविज्ञानभाष्य (व्या.) महावीर श्रीवास्तव, लखनऊ
4. सूर्यसिद्धान्त - (व्या.) रामचन्द्र पाण्डेय, चौखम्बा सुरभारती प्रकाशन, वाराणसी
5. सूर्यसिद्धान्त(मध्यमाधिकारमात्र) - (व्या.) डॉ.राजीव रंजन, विद्यानिधि प्रकाशन, दिल्ली
6. Surya-Siddhanta- Sudhikant Bhardwaj, Delhi.
7. Surya Siddhanta-(Editor) Phanindralal Gangooly, University of Calcutta, 1935

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-9: Brahmasphuttasiddhanta

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Brahmasphuttasiddhanta	04	3	1	0	Nil	Nil

Learning Objectives

The course aims to introduce contemporary theories and facts about Vedic mathematics and the Bhartiya mathematical tradition, addressing both traditional and modern questions. It seeks to demonstrate how Vedic mathematics and the entire Bhartiya mathematical tradition is a living practice.

Learning outcomes

- Will have a comprehensive understanding of the innovative concepts bridging the gap between Bhartiya Mathematics and Modern Mathematics.
- Will acquire knowledge of the different dimensions of Mathematics i.e. effects, cause, definitions, forms and facts present in Bhartiya Mathematics and Vedic Mathematics. They will explore the historical context, key principles, and methodologies that characterize this unique approach.
- Will become acquainted of new concepts and facts found in Mathematics.
- Will be able to compare modern and ancient thoughts of Mathematics.
- Will achieve the ability to critically analyze and explain the prescribed texts.

Detailed Syllabus

Unit: I	Hour 12
Misraka-vyavhar, Shredhi-vyavhar.	
Unit: II	Hour 11
Kshetra-vyavhar, Khata-vyavhar.	
Unit: III	Hour 11
Chitivyavhara, Krakacavyvahara	
Unit: IV	Hour 11
Rashivyavhara	

Tutorial Activities:

- Seminar Debate
- Textual Analysis Seminar
- Student-Led Presentation & Peer Review
- Oral Examination Simulation
- Conceptual Mapping

Essential/Recommended Readings/Texts

1. D. Heroor, Venugopal, 2014, Brahmaguptaganitam, Chinmaya International Foundation Shodha Sansthan, Ernakulam, Kerala, India.

Secondary Sources:

1. मिश्र, कमलाकान्त (सम्पा.), 2003, संस्कृत वाङ्मय में विज्ञान का इतिहास, राष्ट्रीय शैक्षिक अनुसन्धान और प्रशिक्षण परिषद्, नई दिल्ली ।
2. Datta, Bibhutibhushana & Singh Avadesh Narayan, 2004, History of Hindu Mathematics (Vol. 1&2) Bharatiya Kala Prakashan, Delhi.
3. तिवारी, दया शंकर, 2020, संस्कृत वाङ्मय में गणितीय परम्परा, चौखम्भा ऑरियण्टालिया, दिल्ली ।

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-10: Yājñavalkyaśikṣā & Nirukta

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Yājñavalkyaśikṣā & Nirukta	04	3	1	0	Nil	Nil

Learning Objectives

Yājñavalkyaśikṣā highlights Vedādhyayana, Varṇa, Svāra etc. related to proper pronunciation. The course also provides an understanding of Vedic deities, especially through the science of etymology propounded by Yāska in Nirukta. The course also exposes the students to the various forms of sacrificial and ritualistic aspects pertaining to the life of Vedic Āryans.

Learning outcomes

After completion of this course, the students:

- will be able to appreciate the role of Yājñavalkyaśikṣā for understanding Vedic verses, and related issues.
- will try to recite Mantras in their true form with the knowledge of Vaidika Svāra.
- will be successful in applying this knowledge for exploring other Vedic texts.
- will be able to describe the ancient Indian science of etymology as depicted in Nirukta.
- will be able to realize ancient ideas of linguistics and original form of Divinities.

Detailed Syllabus

Unit: I

- Yājñavalkyaśikṣā (Svaraprakaraṇa, 1-50 & 76-92)

Hour 11

Unit: II

- Nirukta, Chapter - X

Hour 11

Unit: III

- Nirukta, Chapter - XI

Hour 11

Unit: IV

Nirukta, Chapter - XII

Hour 12

Tutorial Activities

1. Doubt solving classes.
2. Development of writing and reading skills in Sanskrit.
3. Practice of Vedic Accent on the basis of Yajnavalkyashiksha.
4. Learning the Etymology of Vedic Words e.g. Vayu, Indra, Manduka, Asvinau, Savita, Surya etc.
5. Learning about the concept of Kala and Aditya.

Essential/Recommended Readings/Texts**Essential Readings:**

1. निरुक्तम् (कश्यपप्रजापतिकृत-निघण्टुभाष्यरूपम्), पं. मुकुन्द झा बख्शी, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली, २०१२
2. निरुक्तम्, व्याख्याकार, श्री छज्जुराम शास्त्री विद्यासागर, मेहरचन्द लछमनदास पब्लिकेशन्स, दिल्ली, २०१२
3. निरुक्त-यास्क, दैवतकाण्ड ७-१२, (सम्पादक) सीतारामशास्त्री, परिमल पब्लिकेशन्स, दिल्ली, १९९५
4. याज्ञवल्क्यशिक्षा, भाष्यकार, स्वामी ब्रह्ममुनि परिव्राजक विद्यामार्तण्ड, आर्य साहित्य मण्डल, अजमेर, राजस्थान, १९६७
5. याज्ञवल्क्यशिक्षा, निर्मला हिन्दी व्याख्या, व्याख्याकार, उदयनाथ झा 'अशोक', चौखम्बा ओरियन्टालिया, वाराणसी, १९८९
6. याज्ञवल्क्यशिक्षा, सम्पादक, डॉ. हरिराम मिश्र, विद्यानिधि प्रकाशन, दिल्ली, २०१५.
7. Nirukta with Nighantu with Durga's comm. (Ed.) by R.G. Bhandarkar, BORI, Poona, 1942.
8. Nirukta (Ed.) with English Trans. by Lakshman Sarup, M.L.B.D., Delhi, 1984.
9. Nirukta, Yaska (Ed.), V.K. Rajwade, BORI, Poona, 1993. 6. Sutras of Bharadwaja, Edited and Translated by C. G. Kashikar, Vaidika Samsodhana Mandala, Pune, 2003 Page 61 of 218.

Additional Resources:

1. द्विवेदी मनोहरलाल, कात्यायनयज्ञपद्धतिविमर्शः, राष्ट्रीय संस्कृत संस्थान, नई दिल्ली, २०१०.
2. शास्त्री, शिवनारायण - निरुक्त-मीमांसा, दिल्ली, १९६९.
3. धर्मशास्त्र का इतिहास, मूल लेखक, भारतरत्न डॉ. पी वी काणे, अनुवादक, अर्जुन चौबे काश्यप, उत्तर प्रदेश हिन्दी संस्थान, लखनऊ, २०१४.
4. Kane, P.V. - History of Dharmashastra, BORI, Poona, 1930.
5. Mahendale, M.A. - Nirukta Notes, Deccan College, Poona, 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-10: Yogasūtra with Vyāśabhāṣya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Yogsūtra with Vyāśabhāṣya	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with an in-depth understanding of the metaphysical and epistemological theories formulated by the Yoga philosophy. Through the study of Yogsūtra with Vyāśabhāṣya, the course aims to develop critical knowledge of the core principles and categories of this philosophical school.

Learning outcomes

Upon completing this course, students will:

- Develop an understanding of Yoga philosophy in the Indian philosophical context.
- Gain extensive knowledge of Yoga philosophies and doctrines.
- Acquire fundamental insights into other philosophical positions concerning the categories endorsed by the Yoga tradition.
- Appreciate and differentiate the diverse perspectives and debates within the Yoga tradition.

Detailed Syllabus

Unit: I (From Samādhīpāda)

Hour 11

- Cittaabhūmi
- Cittavṛtti
- Pramāṇa-Mīmāṃsā
- Means of Cittavṛttinirodha
- Concept of Īśvara

Unit: II (From Samādhīpāda and Sādhana-pāda)

Hour 11

- Samprajñāta and Asamprajñāta Samādhi

- Citta-samāpatti
- Kriyāyoga and its components
- Pañcakleśa
- Karmāśaya
- Karmaphala-bheda

Unit: III (From Sādhana-pāda and Kaivalya-pāda)

Hour 11

- Heya and Heyahetu
- Aṣṭāṅgayoga
- Pañcavidha Siddhi
- Jātyantara Pariṇāma
- Nirmāṇa Citta

Unit: IV (From Kaivalya-pāda)

Hour 12

- Four Types of Karma
- Concept of Jīvanmukti
- Dharmamegha Samādhī
- Kaivalya

Tutorial Activities:

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts:

1. पातञ्जलयोगदर्शनम् - पतञ्जलि, (व्याख्याकार) सुरेश चन्द्र श्रीवास्तव, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 1993
2. पातञ्जलयोगदर्शनम् - पतञ्जलि, (व्याख्याकार) स्वामी हरिहरानन्द आरण्यक, मोतीलाल बनारसीदास, दिल्ली, 1974
3. योगसूत्रम् - पतञ्जलि, (अनुवादक) महाप्रभु लाल गोस्वामी, चौखम्बा संस्कृत संस्थान, वाराणसी, 1983
4. योगसूत्रम् - पतञ्जलि, (अनुवादक) रमाशंकर त्रिपाठी, कृष्णदास अकादमी, वाराणसी, 1985
5. Yogasūtram- Patanjali, (ed.) J.R. Ballantyne, Pious Book Corp., Delhi, 1985.

Additional Resources:

1. उपाध्याय, बलदेव - भारतीय दर्शन, शारदा मन्दिर, वाराणसी, 2001.
2. शर्मा, चन्द्रधर - भारतीय दर्शन: आलोचन और अनुशीलन, मोतीलाल बनारसीदास, दिल्ली, 2004.
3. शर्मा, राममूर्ति - अद्वैत वेदान्त इतिहास तथा सिद्धान्त, इस्टर्न बुक लिमिटेड, दिल्ली.
4. Dasgupta, S.N. - *History of Indian Philosophy*, Vols. I-V, M.L.B.D., Delhi, 1975.
5. Devaraja, N.K. - *Introduction to Saṅkara's Theory of Knowledge*, M.L.B.D., Delhi, 1972.
6. Hirianna, M. - *Outlines of Indian Philosophy*, London, 1956.
7. Mahadevan, T.M.P. - *Philosophy of Advaita*, Bharatiya Kala Prakashan, Delhi, 2006.
8. Pandey, R.C. - *Panorama of Indian Philosophy* (English & Hindi versions), M.L.B.D., Delhi, 1966.
9. Radhakrishnan, S. - *Indian Philosophy*, Vol. I-II, London, 1967.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: Introduction to Vāda Vidyā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Vāda Vidyā	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to introduce students to the traditional Indian science of reasoning and debate (*Vāda Vidyā*), as elaborated in Nyāya and other śāstras. Students will learn the structure of logical argumentation, types of disputation (*vāda, jalpa, vitaṇḍā*), valid means of knowledge (*pramāṇas*), and methods for identifying fallacies (*hetvābhāsa*).

Learning outcomes

By the end of the course, learners will be able to analyze philosophical dialogues critically, construct sound arguments, and appreciate the intellectual discipline of Vedic and classical Indian logical traditions.

Detailed Syllabus

Unit: I

Hour 11

- Fundamentals of the Science of Debate

Science of inquiry (Anvīkṣikī) & its importance, Growth of Anvīkṣikī into the art of Debate, The council of debate (Pariṣad) & its types, Discussant (Vādī), Opponent (Prativādī), Madhyastha (Judge) and Prāśnika.

- Epistemology (Pramāṇas)

Perception (Pratyakṣa), Inference (Anumāna), Comparison (Upamāna), verbal Testimony (Śabda)

Unit: II

Hour 11

- Syllogistic Logic

Inference (Anumāna) & its key terms, viz. major term or probandum (Sādhya), middle term or probans (Hetu), minor term (Pakṣa), illustration (Sapakṣa), contrary-illustration (Vipakṣa), basic understanding of invariable concomitance (Vyāpti) & its types, establishing Vyāpti through inductive method, demonstration of pervasion- Upādhi and Tarka, nature and variety of Tarka, Pañcāvayava-vākya and Hetvābhāsa

Unit: III

Hour 11

Theory of Debate

Sulabhā's Canon of Sound Speech (Śāntiparva- 320, verses 78-94)

- Basic understanding of the following terms:
Example (Dṛṣṭānta), Tenet (Siddhānta), Ascertainment (Nirṇaya), Dialogue (Kathā) and its kinds, Discussion (Vāda), Wrangling (Jalpa), Cavil (Vitaṇḍā)
- Quibble (Chala) & its kinds
Analogue (Jāti), Point of defeat (Nigrahasthāna) & its kinds Hurting the proposition (Pratijñāhāni), Shifting of proposition (Pratijñāntara), Opposing the proposition Pratijñāvirodha), Renouncing the Proposition (Pratijñāsannyāsa), Admission of an opinion (Matānujñā).

Unit: IV**Hour 12**

- Applications
Mahabharata
Constituent Assembly Debates

Tutorial Activities:

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. Vidyabhusana, Satish Chandra. A History of Indian Logic. MLBD, Delhi, 1962. (Chapter III of Section I & Chapter II of Section II only).
2. Potter, Karl H. Encyclopaedia of Indian Philosophies, Vol. II. Motilal Banarsidass, Delhi, 1977.
3. Jhalkikar, Bhimacharya. Nyāyakośaḥ. Bhandarkar Oriental Research Institute, Poona, 1997 (reprint of fourth edition).
4. Athalye, and Bodas. Tarkasaṅgraha. Mumbai, 1920. (Only introduction & exposition of anumāna).
5. Shastri, Kuppaswami. A Primer of Indian Logic. Madras, 1951. (Only introduction & exposition of anumāna).
6. Annambhaṭṭa. Tarkasaṅgraha (with Dipika). Edited and translated by Kanshiram and Sandhya Rathore, MLBD, Delhi, 2007.
7. Bagchi, S. S. Inductive Logic: A Critical Study of Tarka and Its Role in Indian Logic. Darbhanga, 1951.
8. Chatterjee, S. C., and D. M. Datta. Introduction to Indian Philosophy. Calcutta University, Calcutta, 1968.
9. Chatterjee, S. C. The Nyāya Theory of Knowledge. Calcutta, 1968.
10. Hirianna, M. Outline of Indian Philosophy. London, 1956.

11. Jha, Harimohan. Bhāratīya Darśana Paricaya, Vol. I (Nyāya Darśana). Darbhanga.
12. Matilal, B. K. The Character of Logic in India. Oxford, 1998.
13. Radhakrishnan, S. Indian Philosophy. Oxford University Press, Delhi, 1990.
14. Constitution Assembly Debates. Constitution Assembly Debates of India. Constitutionofindia.net. Accessed 24 Dec. 2024, <https://www.constitutionofindia.net/constitution-assembly-debates/>
15. Veda Vyasa. Unabridged Mahabharata (6 Volumes Set in Hindi, Gita Press). Archive.org. Accessed 24 Dec. 2024, <https://archive.org/details/unabridged-mahabharata-6-volumes-set-in-hindi-by-veda-vyasa-compressed>.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-10: Íśvarapratyabhijñākārikā-II

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Íśvarapratyabhijñākārikā-II	04	3	1	0	Nil	Nil

Learning Objectives

Kashmir Shaivism is one of the most profound philosophical and spiritual tradition of Indian knowledge system that emerged in the Kashmir region. This course offers an in-depth study of the philosophy of Kashmir Shaivism focusing on its metaphysical, epistemological, cosmological concepts on the basis of the primary texts, philosophical debates and contemporary readings. Students will explore this non-dualistic philosophy that presents a world view from the tantric perspective.

Learning outcomes

By the end of the course, students will be able to:

- Explore the historical development and key figures like Abhinavagupta, Vasugupta, within Kashmir Shaivism.
- Understand the philosophical foundations of Kashmir Shaivism.
- Analyze key texts and doctrines within the Kashmir Shaivism tradition.
- Explore the contemporary relevance and influence of Kashmir Shaivism in modern spiritual practices.

Detailed Syllabus

Unit: I	Hour 12
● Jñānādhikāra Adhyāya I & II	
Unit: II	Hour 11
● Jñānādhikāra Adhyāya III & IV	
Unit: III	Hour 11
● Jñānādhikāra Adhyāya V & VI	
Unit: IV	Hour 11
● Jñānādhikāra Adhyāya VII & VIII	

Tutorial Activities:

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts:

1. Abhinavagupta, Bodhapanchadashika (English Translation), Ishvara Ashram Trust, 2006
2. Abhinavagupta, Bodhapanchadashika, Kashmir Text Series, Kashmir, 1947
3. Abhinavagupta, Ishvarapratyabhijnnavivritivimarshini, (edi.) Madhusudana Kaul Shastri, Vol. I & II, Kashmir, 1941
4. Abhinavagupta, Shri Shri Paratrishikavivarana with Vivriti (Hindi Translation), Nilakantha Gurtu, Motilal Banarsidass Publisher Private Limited, Delhi, 1985
5. Abhinavagupta, Sritantraloka with Viveka by Jayaratha, Vol. I, II, III, IV, V, VI, VII, VIII Sampurnananda Samskrit Vishvaadidyalaya, Varanasi, 2000.
6. Abhinavagupta, Bhashkari of Ishvarapratyabhijnnavimarshini, Vo. I, II, III Sampurnanda Sanskrit Vishwavidyalaya, Varanasi, 1998
7. Abhinavagupta, Tantrasara, Vo. I,II, Chaukhamba Surabharati Prakashan, Varanasi, 2000
8. Ishvarapratyabhijnakarika of Utpaladeva: Verses on the Recognition of the Lord, Motilal Banarsidass Publisher Private Limited, Delhi, 2004
9. Utpaladeva, Siddhitrayi, K.S.S, Kashmir, 1917.

Additional Resources:

1. Baumar, Bettina, Abhinavagupta's Hermeneutics of the Absolute Anuttaraprakriya: An Interpretation of his Paratrishika Vivarana, D.K. Print World LTD., New Delhi, 2011
2. Bhattacharya, N.N., History of the Tantric Religion, A Historical, Ritualistic @ Philosophical Study, Munshiram Manoharlal Publications, New Delhi, 1982
3. Brajballabha Dwivedi, Tantragamiya Dharma Darshan, Vol. I & II, Shivabharati Sodha Pratishtan, Varanasi, 2001
4. Deshpande, G.T., Abhinavagupta, Sahitya Akademi, New Delhi, 1992
5. Pandey, K.C., Abhinavagupta: An Historical na Philosophical Study, Chaukhamba Amarabharati Prakashan, Varanasi, 2006
6. Rastogi, Navajivan, Introduction to the Study of Tantraloka: A Study in Structure, Motilal Banarsidass Publishers Private Limited, Delhi, 1987

7. Rastogi, Navajivan, Kashmir Shivadvayavada ki Mula Avadharanayen, Munshiram Manoharlal Publication, Delhi, 2002

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: Dvisandhānakāvya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Dvisandhānakāvya	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to give the students glimpses of the Dvisandhānakāvya in Sanskrit literary tradition through the reading of four very important compositions of Kavirāja Mādhavabhaṭṭa, Bhībhāṭṭa, Haradatta Sūrī and Venkaṭādhvari.

Learning outcomes

After completion of this course the students:

- will be able to appreciate the values of Dvisandhānakāvya in prescribed composition.
- Will understand the structural patterns of Sanskrit Dvisandhānakāvya.
- Will be familiar with the individual styles of so many poets.

Detailed Syllabus

Unit: I

Hour 11

- राघवपाण्डवीयम् (कविराज माधवभट्ट) – प्रथम सर्ग (प्रारम्भिक ५० पद्य)

Unit: II

Hour 11

- रावणार्जुनीयम् (भीमभट्ट) – प्रथम सर्ग (प्रारम्भिक ५० पद्य)

Unit: III

Hour 11

- राघवनैषधीयम् (हरदत्त सूरी) – प्रथम सर्ग (प्रारम्भिक ५० पद्य)

Unit: IV

Hour 12

- राघवयादवीयम् (वेङ्कटाध्वरि) – (३० पद्य)

Tutorial Activities:

- One Verse, Two Contexts” Group Work
- Spot the Śleṣa” Listening Activity
- Comparative Study: Dvisandhāna vs. Śleṣa-Kāvya

- Commentary Reading Workshop

Essential/Recommended Readings/Texts

Essential Readings:

1. राघवपाण्डवीयम् (कविराज माघवभट्ट) – पं. शिवदत्त एवं काशीनाथ पाण्डिरंग परब, निर्णय सागर प्रेस, मुम्बई।
2. राघवपाण्डवीयम् (कविराज माघवभट्ट) – पं. दामोदर झा, चौखम्बा विद्याभवन, वाराणसी
3. रावणार्जुनीयम् (भीमभट्ट) – पं. शिवदत्त एवं काशीनाथ पाण्डिरंग परब, निर्णय सागर प्रेस, मुम्बई।
4. राघवनैषधीयम् (हरदत्त सूरी) – निर्णय सागर प्रेस, मुम्बई।
5. सुभाषितनीवी (वेदान्तदेशिक) – नरसिंहाचार्य, श्रीवाणी विलास प्रेस, श्रीरंगम्।
6. सुभाषितरत्नसन्दोह (अमितगति) – श्रीलालजैन काव्यतीर्थ, राष्ट्रियसंस्कृतसंस्थान, दिल्ली, 2010
7. राघवयादवीयम् (वेङ्कटाध्वरि) – सरोजा रामानुजम (अंग्रेजी अनुवाद)

Additional Resources:

1. शर्मा उमा शंकर 'ऋषि' – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
2. व्यास भोलाशंकर – संस्कृत कवि दर्शन, चौखम्बा विद्याभवन, वाराणसी
3. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
4. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: Modern Sanskrit Poetic Genres

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Modern Sanskrit Poetic Genres	04	3	01	0	Nil	Nil

Learning Objectives

The course aims at showcasing the continuity of Sanskrit poetry in its traditional genres. It also highlights historical, nationalistic and religious trends of the modern Sanskrit Poetic genres.

Learning outcomes

After completion of this course the students:

- Will have an understanding of the new approach in the realm of Sanskrit Poetry.
- Will become aware of a new genre of Poetry.
- Will acquire the knowledge of the different dimensions of poetry.
- Will be able to compare modern and ancient styles of Poetry.
- Will gain the ability to explain and critically analyze the prescribed texts.

Detailed Syllabus

Unit I

Hour 11

- सौन्दर्यकारिका (मुक्तककाव्यम्) – जगन्नाथ पाठक

Unit II

Hour 11

- प्रतिज्ञापूर्तिः (उपन्यासः) – श्रीनाथ हसूरकर

Unit III

Hour 11

- लघुकथानिकाः

1. कश्चित्कविः – गिरिधरशर्मा चतुर्वेद, 2. वासन्ती – बटुकनाथ शास्त्री खिस्ते, 3. आदर्शकन्या सुकन्या – नवलकिशोर शर्मा काङ्कर, 4. शत्रू मित्रे वा – कलानाथ शास्त्री, 5. शिक्षिताया अनुरोध – गजानन शास्त्री मुसलगाँवकर, 6. सिन्धुवादस्य सिन्धुयात्रा – लक्ष्मण शास्त्री तैलंग, 7. रहस्यम् – श्रुतिदेव शास्त्री, 8. कः सुखी – जयमन्त मिश्र, 9. आशा पिशाचिका – एच. वि. नागराजराव्, 10. मधुमती – अमिता मालवीया

Unit IV**Hour 12**

- गीतं गजल्लिका च

1. पुलकमेति कश्चित्कविः – वेंकटरामराघव, 2. क्व यातास्ते – बच्चूलाल अवस्थी ज्ञान, 3. चमसचमत्कारः – परमानन्द शास्त्री, 4. निर्वेदः – रसिकविहारी जोशी, 5. महान् भारतोऽहम् – पुल्लेलरामचन्द्रुडुः, 6. सीतासन्देशः – वेद कुमारी घई, 7 नवा कविता – श्रीनिवास रथ, 8. सत्यमेव जयते – प्रशस्यमित्र शास्त्री, 9. पुनरायातो रे – हरिदत्त शर्मा, 10 कविता – बलराम शुक्ल

Tutorial Activities:

- Seminar Debate
- Textual Analysis Seminar
- Student-Led Presentation & Peer Review
- Oral Examination Simulation
- Conceptual Mapping

Essential/Recommended Readings/Texts**Essential Reading:**

1. विच्छिन्ति-वातायनी – जगन्नाथ पाठक जिनसेनाचार्य, प्रकाशक – अनिल कुमार पाठक, इलाहाबाद, 1991
2. प्रतिज्ञापूर्तिः – श्रीनाथ हसूरकर, उत्तरप्रदेश संस्कृत अकादमी, लखनऊ, 1983
3. अभिनवकथानिकुञ्जः – सम्पादक – शिवदत्त शर्मा चतुर्वेद, भारतीय विद्या प्रकाशन, वाराणसी, 1966
4. लघुकथासंग्रहः – सम्पादक – जयमन्त मिश्र, साहित्य अकादमी, दिल्ली, 1997
5. कल्पवल्ली – सम्पादक – अभिराज राजेन्द्र मिश्र, साहित्य अकादमी, दिल्ली, 2013

Additional Readings:

1. त्रिपाठी, राधावल्लभ - संस्कृत साहित्यः बीसवीं शताब्दी, राष्ट्रीय संस्कृत संस्थान, दिल्ली 1999.
2. मुसलगांवकर, केशव राव- आधुनिक संस्कृत काव्य परम्परा, चौखम्बा विद्याभवन, वाराणसी, 2004
3. मिश्र, राजेन्द्र – विंशति शताब्दी संस्कृत काव्यामृतम्, दिल्ली संस्कृत अकादमी, दिल्ली
4. उपाध्याय, बलदेव (प्र.स.), पाठक, जगन्नाथ (सं.)- संस्कृत वाङ्मय का बृहद् इतिहास (सप्तम खण्ड), उत्तरप्रदेश संस्कृत संस्थान, लखनऊ, 2000
5. Jha, V.N - Sanskrit Writings in Independent India, Poona
6. Joshi, K.R.& S. M. Ayachit - *Post Independence Sanskrit Literature*, Nagpur, 1991.
7. Prajapati, Manibhai K., *Post Independence Sanskrit Literature: A critical survey*, Poona, 2005.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-10: Vakroktijīvitam

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vakroktijīvitam	04	3	1	0	Nil	Nil

Learning Objectives

Vakroktijīvitam of Kuntaka is a basic text of Vakrokti theory in Sanskrit poetics. The purpose of this course is to introduce the learners with the different dimensions of Vakrokti i.e. Varṇavinyasavakṛta, padapūrvārdhavadakṛta etc. through the reading of the texts of Vakroktijīvitam. The concept of Vakrokti and its major 06 division with examples will also be focused in this course.

Learning outcomes

Upon Successful completion of this course students:

- will form a deep understanding of the fundamental terminologies of kavya as presented by Kuntaka.
- will acquire an in-depth knowledge of the theory of Vakrokti.
- will be successful in applying this knowledge for critical analysis in the light of Vakrokti theory.
- will gain the ability to explain and critically analyze the prescribed texts.
- will be able to appreciate and enjoy the expressions of poetry.

Detailed Syllabus

Unit: I	Hours 11
प्रथम उन्मेष – (1-17 कारिका)	
Unit: II	Hours 11
प्रथम उन्मेष – (18-30 कारिका)	
Unit: III	Hours 11
प्रथम उन्मेष – (31-43 कारिका)	
Unit: IV	Hours 12
प्रथम उन्मेष – (44 कारिका से प्रथम उन्मेष की समाप्तिपर्यन्त)	

Tutorial Activities:

- Seminar Debate
- Student-Led Presentation & Peer Review
- Conceptual Mapping
- Oral Examination Simulation
- Textual Analysis Semina

Essential/Recommended Readings/Texts

Essential Readings:

1. वक्रोक्तिजीवितम् - कुन्तक, (व्या.) आचार्य विश्वेश्वर सिद्धान्त शिरोमणि, हिन्दी माध्यम कार्यान्वय निदेशालय, दिल्ली विश्वविद्यालय, दिल्ली

2. वक्रोक्तिजीवितम् - कुन्तक, (व्या.) राधेश्याम मिश्र, चौखम्बा संस्कृत संस्थान, वाराणसी
3. वक्रोक्तिजीवितम् – कुन्तक – प्रथम उन्मेष (व्या.) वेद प्रकाश डिंडोरिया, शिवालिक प्रकाशन, दिल्ली

Additional Resources:

1. चौधुरी, एन.एन. - काव्यतत्त्वसमीक्षा (संस्कृतमें), दिल्ली
2. राय, विक्रमादित्य, काव्यसमीक्षा, भारतीयविद्याप्रकाशन, वाराणसी
3. De, Sushil Kumar, History of Sanskrit Poetics (also Hindi translation), Oriental Book Centre, Delhi, 2006
4. Kane, P.V., *History of Sanskrit Poetics* (also Hindi translation), M.L.B.D., Delhi, 2002
5. Pandey, Kanti Chandra, *Comparative Aesthetics*, Vol. 1, (also Hindi translation Chaukhamba Sanskrit Series Office, Varanasi, 1972

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-10: Kaviśikṣā and Kavisamaya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Kaviśikṣā and Kavisamaya	04	3	1	0	Nil	Nil

Learning Objectives

The purpose of this course is to familiarize the learners with the theory of Kaviśikṣā and Kavisamaya in Sanskrit poetics. It is to be the most important gist in the creation and expression of poetry.

Learning outcomes

After completion of this course the students:

- will have acquired an in-depth knowledge of the theories of Kaviśikṣā and Kavisamaya.
- will be able to understand and explain the prescribed text and the terms therein.
- will be able to appreciate and enjoy the expressions of poetry.

Detailed Syllabus

Unit: I	Hour 11
काव्यमीमांसा (10–12 अध्याय)	
Unit: II	Hour 11
काव्यमीमांसा (13–14 अध्याय)	
Unit: III	Hour 11
कविकण्ठाभरण	
Unit: IV	Hour 12
काव्यकल्पलतावृत्ति – छन्दसिद्धिप्रतान	

Tutorial Activities:

- Seminar Debate
- Student-Led Presentation & Peer Review
- Conceptual Mapping
- Oral Examination Simulation
- Textual Analysis Semina

Essential/Recommended Readings/Texts

Essential Readings:

1. काव्यमीमांसा – गंगासागर राय, चौखम्बा विद्याभवन, वाराणसी, 2000
2. काव्यमीमांसा – केदारनाथ शर्मा सारस्वत, बिहार राष्ट्रभाषा परिषद, पटना, 2000
3. कविकण्ठाभरण – वामन केशव लेले, मोतीलाल बनारसीदास, दिल्ली, 1967
4. काव्यकल्पलतावृत्ति – जगन्नाथ शास्त्री, चौखम्बा संस्कृत सीरीज आफिस, वाराणसी, 1988

Additional Resources:

1. शर्मा, रामानन्द – काव्यमीमांसा काव्यरहस्य, चौखम्बा संस्कृत सीरीज आफिस, वाराणसी, 2022.
2. Suryakant - Ksemendra Studies: Text with English Translation, Bharatiya Kala Prakashan, New Delhi, 2010
3. Kulkarni, V.M. More Studies in Sanskrit Sāhitya Śāstra, Saraswati Pustak Bhandar, Ahmedabad, 1993
4. De, Sushil Kumar, History of Sanskrit Poetics (also Hindi translation), Oriental Book Centre, Delhi, 2006
5. Kane, P.V., *History of Sanskrit Poetics* (also Hindi translation), M.L.B.D., Delhi, 2002
6. Pandey, Kanti Chandra, *Comparative Aesthetics*, Vol. 1, (also Hindi translation Chaukhamba Sanskrit Series Office, Varanasi, 1972

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-10: Vākyapadīyam Brahmakāṇḍa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vākyapadīyam of Bhartṛhari	04	3	1	0	Nil	Nil

Learning Objectives

The Objective of this course is to make the students acquire an advanced knowledge of the derivational process of the Sanskrit Verbal root through the readings of the text of Siddhantkaumudi.

Learning outcomes

After the completion of this course the students will:

- be able to interpret the Sūtras of the relevant portions of the text
- be able to understand important application of interpretive rules and concepts such as -the
- concept of Vipraṭiṣṭ edheparam kārya, general & exception rules (utsargāpavāda vyavasthā), Metarules (Paribhāṣā) in the derivational process.
- be able to identify and use the advance forms of the words ending within suffixes in actual language situations.
- be able to explain the derivational process of the Sanskrit verbal paradigms.

Detailed Syllabus

Unit: I	Hour 11
Vākyapadīyam of Bhartṛhari- Brahmakāṇḍa	
Unit: II	Hour 11
Vākyapadīyam of Bhartṛhari- Brahmakāṇḍa	
Unit: III	Hour 11
Vākyapadīyam of Bhartṛhari- Vākyakāṇḍa	
Unit: IV	Hour 12
Vākyapadīyam of Bhartṛhari- Vākyakāṇḍa	

Tutorial Activities:

Tutorial Activities:

- Seminar Debate
- Student-Led Presentation & Peer Review
- Oral Examination Simulation
- Conceptual Mapping
- Textual Analysis Seminar

Essential/Recommended Readings/Texts

1. Pillai, K. Raghavan. *The Vākyapadīya*. Motilal Banarsidass, 1971.
2. Iyer, K. A. Subramania, editor. *Vakyapadiya of Bhartrhari: Kāṇḍa I*. 1966.
3. अवस्थी, शिवशंकर. *वाक्यपदीयम्* (संस्कृत एवं हिन्दी अनुवाद). चौखम्भा विद्या भवन, 2013.
4. शुक्ल, सूर्यनारायण. *वाक्यपदीयम् (ब्रह्मकाण्डम्)*. ** चौखम्भा संस्कृत सीरीज ऑफिस, वाराणसी, 1961.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: Paribhāṣenduśekhara by Nāgeśabhaṭṭa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Paribhāṣenduśekhara by Nāgeśabhaṭṭa	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of the paper *Paribhāṣenduśekhara by Nāgeśabhaṭṭa* is to familiarize students with the core interpretative framework and metarules (paribhāṣās) that govern Pāṇinian grammar. It aims to develop an understanding of the philosophical and logical foundation underlying the grammatical system of Sanskrit. Learners will study the structure, methodology, and analytical precision of Nāgeśabhaṭṭa's commentary, appreciating his role in the tradition of Vyākaraṇa-śāstra. The course also seeks to train students in the practical application of paribhāṣās in grammatical interpretation, fostering skills in linguistic analysis, textual reasoning, and exegetical comparison with other grammatical traditions.

Learning outcomes.

Upon successful completion of this paper, students will demonstrate a clear understanding of the fundamental paribhāṣās presented in *Paribhāṣenduśekhara* and their role in interpreting the Aṣṭādhyāyī. They will be able to analyze complex grammatical principles using Nāgeśabhaṭṭa's logical tools and apply them to specific sūtras and derivations. Learners will gain insight into the evolution of grammatical thought and recognize Nāgeśabhaṭṭa's contribution to sustaining and refining the Pāṇinian tradition. They will also acquire interpretative proficiency, enabling them to engage critically with Sanskrit grammatical texts and contribute meaningfully to advanced research in Vyākaraṇa studies.

Detailed Syllabus

Unit: I

Hour 11

1st Prakaraṇa: śāstratvasampādanoddeśa –

“व्याख्यानतो विशेषप्रतिपत्तिर्न हि सन्देहादलक्षणम् (1)” से लेकर “व्यपदेशिवदेकस्मिन् (30)” तक

Unit: II

Hour 11

2nd Prakaraṇa: bādhabhāṭṭa - 1-25 (38-63)- “पूर्वपरनित्यान्तरङ्गापवादानामुत्तरोत्तरं बलीयः (38)”

से लेकर “पूर्व ह्यपवादा अभिनिविशन्ते पश्चादुत्सर्गाः (63)” तक

Unit: III

Hour 11

3rd Prakaraṇa: śāstraśeṣa- 1-28 (72-100) “प्रातिपदिकग्रहणे लिङ्गविशिष्टस्यापि ग्रहणम् (72)”

से लेकर “सर्वविभ्यो लोपविधिरिङ्गविधिश्च बलवान् (100)” तक

Unit: IV

Hour 12

3rd Prakaraṇa: śāstraśeṣa- “प्रकृतिग्रहणे यङ्लुगन्तस्यापि ग्रहणम् (101)” से लेकर
“अनिर्दिष्टार्थाः प्रत्ययाः स्वार्थे (126)” तक

Tutorial Activities:

- Seminar Debate
- Student-Led Presentation & Peer Review
- Oral Examination Simulation
- Conceptual Mapping
- Textual Analysis Seminar

Essential/Recommended Readings/Texts

1. श्री विश्वनाथ मिश्र (1990) परिभाषेन्दुशेखरः सुबोधिनी हिन्दी व्याख्या, चौखम्बा सुरभारती प्रकाशन, वाराणसी

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: Pāraskaragrhyasūtra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code Pāraskaragrhyasūtra	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Pāraskaragrhyasūtra	04	3	1	0	Nil	Nil

Learning Objectives

The course on Pāraskaragrhyasūtra aims to provide an in-depth understanding of the domestic rituals and rites prescribed in this ancient text. Students will explore the various Gṛhya-sūtras, with a focus on the guidelines for conducting domestic rites, sacrifices, and ceremonies associated with personal and family life. The course will also highlight the philosophical underpinnings of the text, including its insights into the relationship between rituals and social order. By the end of the course, students will gain a comprehensive understanding of the role of domestic rituals in shaping social and spiritual life in Vedic traditions.

Learning outcomes

- Students will gain a thorough understanding of the various domestic rituals and rites outlined in the Pāraskaragrhyasūtra, particularly those relating to birth, marriage, and death.
- Learners will appreciate the philosophical and social contexts of the Pāraskaragrhyasūtra, understanding how the text shapes and supports social and spiritual norms in ancient Indian society.
- Learners will understand how the rituals prescribed in the Pāraskaragrhyasūtra influence social structure, particularly the roles and responsibilities of family members and communities in maintaining dharma.
- Relevance in Contemporary Context: Students will analyze the relevance of the Pāraskaragrhyasūtra in the modern era, particularly in the context of the preservation and transformation of Vedic traditions in contemporary society.

Detailed Syllabus

Unit: I Pāraskaragrhyasūtra- kāṇḍa 1, kaṇḍikā 1-10	Hour 11
Unit: II Pāraskaragrhyasūtra- kaṇḍikā 1, kaṇḍikā 11-19	Hour 11
Unit: III Pāraskaragrhyasūtra- kaṇḍikā 2, Kakaṇḍikāndika 1-17	Hour 11
Unit: IV	Hour 12

Pāraskaragrhyasūtra- kaṇḍikā 3 kaṇḍikā-1 to 15

Tutorial Activities:

1. Group Discussion
2. Quiz
3. Case Study Analysis
4. PPT Presentation

Essential/Recommended Readings/Texts

1. पारस्कर गृह्यसूत्रम् - हरिहर 'गदाधर' भाष्यद्वयोपेतम् हिन्दी व्याख्योपेतम्, व्याख्याकार - जगदीशचन्द्रमिश्र, चौखम्बा सुरभारतीप्रकाशन।
2. पारस्करगृह्यसूत्रम् ओमप्रकाश पाण्डेय, चौखम्बा अमरभारती प्रकाशन, वाराणसी।
3. Banerji, Sures Chandra. *A brief history of Dharmaśāstra*. Abhinav Publications, 1999.
4. Kane, Pandurang Vaman. *History of dharmaśāstra*. Vol. 2. Poona: Bhandarkar Oriental Research Institute, 1973.
5. Olivelle, Patrick, and Donald Richard Davis, eds. *Hindu law: a new history of Dharmaśāstra*. Oxford University Press, 2018.
6. Online Search and Indexing Tools for Dharmashastric Texts, available at: <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: Insights into Deccan, South Indian and Overseas Inscriptions

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Insights into Deccan, South Indian and Overseas Inscriptions	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to provide students with a comprehensive understanding of Deccan, South Indian and overseas inscriptions, focusing on their historical, cultural, and linguistic significance. Through the study of various inscriptions, students will gain insights into the political, religious, and social dynamics of South India and its interactions with neighboring regions. The course aims to explore the role of inscriptions in documenting dynastic history, land grants, religious practices, and societal structures, as well as their influence on the development of regional languages and scripts. By examining inscriptions from both South India and overseas territories, students will also be able to appreciate the global cultural exchanges and the spread of Indian civilization during the pre-modern period.

Learning Outcomes

After the completion of this course, the students will:

- Develop a deep understanding of the historical and cultural significance of Deccan, South Indian and overseas inscriptions.
- Analyze the role of inscriptions in documenting political, religious, and social history across different regions.
- Gain proficiency in interpreting ancient scripts and languages found in inscriptions, particularly in the context of South India.
- Understand the interactions between South Indian civilizations and foreign regions through the study of overseas inscriptions.

Detailed Syllabus

Unit: I

Hour 11

- Maski minor rock edict of Ashoka
- Nanaghat Cave Inscription of Naganika
- Nasik Cave Inscription of Gautami Putra Satakarni
- Nasik Cave Inscription of Yajnashatakarni
- Nasik Cave Inscription of Pulumavi

Unit: II**Hour 11**

- Nagarjunakonda Inscription of Veerpurushdatta
- Basim Copper Plate Inscription of Vindhyaashakti-II
- Aihole Inscription of Pulakeshin-II

Unit: III**Hour 11**

- Shahbazgarhi Inscription of Ashoka
- Rummindei minor pillar edict of Ashoka
- Copper Plate Inscription of Kalwana
- Takshashila Copper Plate of Patik

Unit: IV**Hour 12**

- Takht-e-Bahi Stone Inscription of Gondophares
- Jeda Inscription of Kanishka
- Manikiyala Inscription of Kanishka
- Aara Stone Inscription of Kanishka-II

Tutorial Activities:

- Learning of dating systems and chronology
- Study of dynastic lineage and genealogy
- Knowledge of geographical location and mapping
- Study of scripts, language and palaeography

Essential readings:

1. मिश्र, राजेंद्र प्रसाद. प्राचीन दक्षिण भारतीय शिलालेखों का अध्ययन. भारतीय विद्या प्रकाशन, दिल्ली, 2008.
2. प्रकाश, प्रेम. भारतीय शिलालेख और ऐतिहासिक स्रोत: दक्षिण भारत और विदेश. चौखम्बा संस्कृत सीरीज़, वाराणसी, 2010.
3. श्रीवास्तव, के. सी. प्राचीन भारत का इतिहास तथा संस्कृति. यूनाइटेड बुक डिपो, इलाहाबाद, 2022.
4. शर्मा, हरिशंकर. दक्षिण भारतीय शिलालेख और उनकी भाषा. हिंदीग्रंथ कार्यालय, दिल्ली, 2012.
5. सहाय, शिवस्वरूप. भारतीय पुरालेखों का अध्ययन. मोतीलाल बनारसीदास, दिल्ली, 2008.
6. सैनी, रणजीत सिंह. अभिलेखमञ्जूषा. न्यू भारतीय बुक कार्पोरेशन, दिल्ली, 2000.
7. Fleet, J.F. Corpus Inscriptionum Indicarum, Vol. II: South Indian Inscriptions. Calcutta, 1888.
8. Nilakanta Sastri, K.A. The Cholas. Madras University Press, Madras, 1935.
9. Salomon, Richard. Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit, and the Other Indo-Aryan Languages. Oxford University Press, Oxford, 1998.
10. Ramakrishna, Dhoolipala. A study of Sanskrit Inscriptions in Andhra Pradesh. Sri Venkateswara Vedic University, Tirupati, 2009.
11. Sircar, D.C. Select Inscriptions bearing on Indian History and Civilization, Volume 1. University of Calcutta, 1965.
12. Sircar, D.C. Select Inscriptions bearing on Indian History and Civilization, Volume 2. Motilal Banarasidas, Delhi, 1983.
13. South Indian Inscriptions (Multiple Volumes). Archaeological Survey of India.
14. Sridhar, T.B. Select Inscriptions of Tamil Nadu. Tamil Nadu State Department of Archaeology, Chennai.
15. Srinivasan, K.R. South Indian Inscriptions and Cultural History. New Delhi, 2002.
16. Stein, Burton & Subrahmanyam, Sanjay. Inscriptional Studies in Indian History: South India and Overseas Connections. Oxford University Press, Oxford, 2005.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: Field Work and Practical in Manuscriptology and Paleography

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Field Work and Practical in Manuscriptology and Paleography	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to provide hands-on experience in identifying, preserving, and interpreting ancient manuscripts written in various Indian scripts. Students will learn techniques of manuscript handling, cataloguing, transcription, and script decipherment through field visits to archives, libraries, and traditional repositories.

Learning Outcomes

By the end of the course, learners will be able to accurately read and analyze old scripts, prepare descriptive catalogues, assess manuscript conditions, and apply preservation and digitization methods. They will also gain practical understanding of India's manuscript heritage and its contribution to cultural and intellectual history.

Detailed Syllabus

Unit: I

Hour 11

Survey for manuscripts

- To museums
- To temples
- Personal collections

Unit: II

Hour 11

Practising the intricacies of different historical scripts including Brahmi, Sharda, Granth, Odia etc.

Unit: III

Hour 11

Preparation of a project report (in the form of a collection of data and analysis in an A4 sheet with a minimum of 15-25 pages).

Unit: IV

Hour 12

Students will participate in a viva voce and group discussions based on their project report, demonstrating their understanding of manuscripts and the practical knowledge gained through fieldwork in manuscriptology and paleography.

Tutorial Activities:

- Script Familiarization Workshop
- Dating Exercise
- Calligraphy Reproduction
- Ink-Tracing Technique
- Field Visit to a Local Temple / Archaeological Site

Essential readings:

1. राणा, एस-एस- भारतीयअभिलेख, भारतीय विद्याप्रकाशन, दिल्ली-वाराणसी, 1978
2. सैनी, रणजीतसिंह-अभिलेखमञ्जूषा, न्यू भारतीय बुक कार्पोरेशन, दिल्ली, 2000
3. राजपुरोहित भगवतीलाल, प्राचीन भारतीय अभिलेख, शिवालिक प्रकाशन, दिल्ली
4. सहाय शिवस्वरूप, भारतीय पुरालेखों का अध्ययन, मोतीलाल बनारसीदास, दिल्ली
5. श्रीवास्तव, के.सी., प्राचीन भारत का इतिहास तथा संस्कृति, यूनाइटेड बुक डिपो, इलाहाबाद
6. Basak, R.G. History of North Eastern India, Sambodhi Publication, Calcutta, 1962.
7. Goyal, S.R Har-a, A Multidisciplinary Political Study, Kusumanjali Book World, Jodhpur, 2006
8. Majumdar, R.C. & Pusalkar, A.D. The History and Culture of the People, Vol. III (The Classical Age), Bhartiya Vidya Bhavan, Bombay, 1954
9. Mookarji, R.K. Harsha, Oxford, London, 1926
10. Pires, Edward, A. The Maukharis, Ramanand Vidya Bhavan, Delhi, 1982
11. Sircar, D.C. Select Inscriptions, Vol. II (6th to 18th century A.D.), Moti Lal Banarsi Dass, Delhi, 1983
12. Srivastava, B.N. Har-a and His Times, Chaukhamba Sanskrit Series, Varanasi, 1976

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: An introduction to Itihāsa and Pūranic texts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Kūrma-Purāṇa	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to present a thorough picture of valuable cultural heritage of India as preserved in the Puranas, Rāmāyaṇa and Mahābhārata. The individual characters of the epics, social, economic, geographical, political, philosophical and educational systems as reflected in prescribed texts will be the major highlighting points.

Learning outcomes

After the completion of this the course students will:

- be able to learn about the behavioral values, ethics and belief patterns through the individual characters of the puran, Ramayana and Mahabharata.
- be able to explain the aesthetic and poetic beauty and style of presentation of the texts of Rāmāyaṇa and Mahābhārata.
- get the knowledge of the historic value of Puranas, Rāmāyaṇa and Mahābhārata.

Detailed Syllabus

Unit: I

पुराण- वायुपुराण- 62 (पृथुचरित), मार्कण्डेयपुराण-25 (मदालसा उद्धोधन)

Hour 11

Unit: II

वाल्मीकि रामायण - 3/16/1-42 (हेमन्तवर्णन), 5/15 (अशोकवनिका में सीता)

Hour 11

Unit: III

महाभारत - उद्योगपर्व-131-134 (विदुरापुत्रानुशासनम्)

Hour 12

Unit: IV

भगवद्गीता- 15 वाँ अध्याय

Hour 11

Tutorial Activities:

- Character Interpretation Seminar
- Parāyaṇa (Recitation) Sessions
- Dramatic Re-enactment / Nṛtya
- Art & Music Integration

Essential/Recommended Readings/Texts

1. साहित्यरत्नकोश, भाग -2, पुराणेतिहाससंग्रहः, साहित्य अकादमी, नई दिल्ली, 1959
2. वायुपुराण, विष्णुपुराण, मार्कण्डेयपुराण - नाग प्रकाशन, दिल्ली
3. Mahabharata, Critical Edition, BORI, Poona.
4. Mahabharata Text, pub. Gita Press, Gorakhpur.
5. Ramayana with Hindi trans., Gita Press, Gorakhpur.

Additional Resources:

1. डिंडोरिया, वेद प्रकाश – पुराणेतिहासदर्पण, वाक्सुधा प्रकाशन, दिल्ली, 2022
2. चतुर्वेदी, गिरिधर शर्मा. पुराणपरिशीलन, बिहार राष्ट्रभाषा परिषद्, 1970.
3. व्यास, भोलाशंकर.(सम्पा.) - संस्कृत वाङ्मय का बृहद् इतिहास, (IIIआर्षखण्ड), उत्तरप्रदेश संस्कृत संस्थान, लखनऊ, 2000
4. Rochero, Ludo, The Puranas (A History of Indian Literature), Vol. IV, Otto Harrassowitz, Wiesbaden, 1986.
5. Hopkins, E.W., The Great Epic of India, Reprinted by PunthiPusthaka, Calcutta, 1969
6. Ramayana with four commentaries by Govindaraja& others, Lakshmi Venkateswara Press, Bombay, 1935
7. Ramayana ed. by ChinnaswamiSastrigal and V.H. Subrahmanyam Shastri, Pub. by N. Ramaratham, Madras, 1958
8. Mahabharata with Neelakantha's Commentary, Chirtasala Press, Poona,1929-33

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-10: Kūrma-Purāṇa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Kūrma-Purāṇa	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce the students to concepts of Dharmaśāstra mentioned in Kūrma-Purāṇa.

Learning outcomes

After the completion of this course the students will:

- able to understand and explain the Āśrama system mentioned of Kūrma-Purāṇa.
- able to know about the Study method on the basis of basics of Kūrma-Purāṇa.
- able to understand and explain the daily rituals and Shraddha according to Kūrma-Purāṇa.
- able to know about the food method, edible and inedible, on the basis of basics of Kūrma-Purāṇa.

Detailed Syllabus

Unit: I

Hour 11

कूर्मपुराण: ब्रह्मचर्यादि-आश्रम-वर्णन (अध्याय-12,15,27,28)

Unit: II

Hour 11

कूर्मपुराण: नित्यकर्मविधि, आचारविधि, अध्ययनविधि, धर्म, गुरु तथा गुरुपत्नी से व्यवहार, वेदाध्ययन, गायत्री-महिमा, अनध्याय-वर्णन (अध्याय 13-14)

Unit: III

Hour 12

कूर्मपुराण: भोजनविधि, शयनविधि, नित्यकर्मानुष्ठान, अग्निहोत्रमाहात्म्य, वेद, धर्मशास्त्र, पुराण से धर्म का ज्ञान तथा श्रद्धा, मुख्य तथा आपत्काल की वृत्ति, साधक-असाधक, धन का विभाग और उपयोग (अध्याय 24-25)

Unit: IV

Hour 11

कूर्मपुराण: श्राद्धप्रकरण (अध्याय 20-23)

Tutorial Activities:

- Character Interpretation Seminar
- Parāyaṇa (Recitation) Sessions
- Dramatic Re-enactment / Nṛtya
- Art & Music Integration

Essential/Recommended Readings/Texts**Essential Readings:**

1. कूर्मपुराण, गीताप्रेस गोरखपुर, सं. २०७९
2. THE KURMA PURANA - Jyotishi Chintamani Deshpande, Saraswati Book Distributors, Pune.

Additional Resources:

1. त्रिपाठी, लक्ष्मी नारायण - कूर्म पुराण का सांस्कृतिक अध्ययन, प्राचीन इतिहास, संस्कृति एवं पुरातत्त्व विभाग, इलाहाबाद विश्वविद्यालय।
2. T Shivsankar – Kurma Puran Ka Sahitika Tatha Kavya Sastriye Adhayan, Dr. Rammanohar Lohia Avadh University, Faizabad, 2002

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: Computational Tools for Manuscriptology, Epigraphy and Palaeography

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computational Tools for Manuscriptology, Epigraphy and Palaeography	04	3	0	1	Nil	Nil

Learning Objectives

This course aims to provide students with an in-depth understanding of computational tools and techniques for manuscriptology, epigraphy, and palaeography. It introduces advanced methods such as Optical Character Recognition (OCR), digital epigraphy, and font creation, focusing on preserving and deciphering ancient Indian scripts. The course also explores computational approaches for language detection, transliteration, and analysis of undeciphered inscriptions. By integrating practical exposure to tools like ITHACA and Aksharamukha, students will develop the skills necessary to digitize, catalog, and analyze manuscripts and inscriptions effectively.

Learning outcomes

By the end of this course, students will be able to:

- Apply OCR techniques for deciphering ancient scripts.
- Digitize and preserve manuscripts using modern tools and methods.
- Utilize Unicode blocks and create custom fonts for ancient languages.
- Analyze and interpret inscriptions using computational epigraphy and palaeography tools.
- Access and navigate online manuscript catalogues and repositories for research purposes.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Optical Character Recognition (OCR)

- Fundamentals of Optical Character Recognition (OCR)
- Applications of OCR in Manuscriptology
- Challenges in OCR for ancient Indian scripts

Unit: II

Hour 11

Digitization and Preservation of Manuscripts

- Methods and tools for manuscript digitization
- Preservation techniques for ancient manuscripts
- Online cataloguing of manuscripts and archives

Unit: III**Hour 11****Digital Epigraphy and Palaeography**

- Introduction to Unicode blocks and their significance in ancient Indian scripts
- Basics of font creation for ancient scripts
- Masked training techniques for filling gaps in undeciphered inscriptions
- Tools and techniques for digital transliteration of ancient Indian scripts
- Script and language detection using computational methods

Unit: IV**Hour 12****Survey**

- Survey of computational approaches to Indus script decipherment
- Overview of computational epigraphy tools (e.g., ITHACA)
- Online manuscript catalogues and repositories of Indian manuscripts and inscriptions
- Computational palaeography tools (e.g., Aksharamukha)

Practicals:

- Practical OCR exercises using open-source tools.
- Demonstration of manuscript digitization methods.
- Unicode identification and basic encoding tasks.
- Introductory font-creation activity.
- Hands-on sessions with ITHACA and Aksharamukha.
- Navigation of online manuscript repositories.
- Short digital documentation project (manuscript/inscription fragment).

Essential/Recommended Readings/Texts

1. Bühler, Georg. Indian Palaeography. Revised ed., Archaeological Survey of India.
2. Chaudhuri, Saroj Kumar. Manuscriptology and Palaeography: An Introduction. K.P. Bagchi, 2010.
3. Daniels, Peter T., and William Bright, editors. The World's Writing Systems. Oxford UP, 1996.
4. Fisher, Steven Roger. A History of Writing. Reaktion Books, 2004.
5. Mahadevan, Iravatham. Early Tamil Epigraphy: From the Earliest Times to the Sixth Century A.D. Harvard University Press, 2003.
6. Pandey, Balram. Palaeography and Manuscriptology. Motilal Banarsidass, 2015.
7. Salomon, Richard. Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit, and the Other Indo-Aryan Languages. Oxford UP, 1998.
8. Aksharamukha. Aksharamukha: Script Converter. aksharamukha.appspot.com.
9. ITHACA Project. ITHACA Documentation. ithaca.cerl.org.
10. National Mission for Manuscripts. Guidelines for Digitization. Indira Gandhi National Centre for the Arts.
11. Tesseract OCR. Tesseract OCR Documentation. github.com/tesseract-ocr/tesseract.
12. TEI Consortium. TEI Guidelines: P5. tei-c.org.
13. Gaur, A. (1992). Indian Palaeography. Oxford University Press.
14. Sircar, D.C. (1965). Indian Epigraphy. Motilal Banarsidass.
15. Solomon, R. (1998). Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit, and the Other Indo-Aryan Languages. Oxford University Press.
16. Tandan, S. N. (2010). Manuscriptology and Textual Criticism. IGNCA.

- 17. Jha, Girish Nath. (2010). Sanskrit and Indian Language Computing: The Indian Tradition and Future Directions. Language Resources and Evaluation.
- 18. Smith, David A. (2009). Detecting, Segmenting, and Classifying Document Images in the Humanities. Digital Humanities Quarterly, 3(4).
- 19. Terras, Melissa. (2012). Digital Images for the Information Professional. Facet Publishing.
- 20. Campbell, J. (2020). Digital Palaeography: New Tools for Ancient Texts. Digital Scholarship in the Humanities.
- 21. Huet, Gérard. (2017). The Sanskrit Heritage Engine and Its Role in Digital Humanities. INRIA.
- 22. Ciotti, F. (2018). Manuscript Cultures in the Digital Age: Text Encoding and Computational Approaches. Journal of Cultural Heritage.
- 23. Assael, Y., Sommerschild, T., Shillingford, B. et al. Restoring and attributing ancient texts using deep neural networks. Nature 603, 280–283 (2022). <https://doi.org/10.1038/s41586-022-04448-z>
- 24. Ul-Hasan, Adnan et al. (2013). Indic Script OCR: Challenges and State of the Art. Proceedings of ICDAR.
- 25. Google Research (2020). OCR for Indian Scripts using Tesseract 5. (Documentation and GitHub resources)

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-10: Computational Lexicography

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computational Lexicography	04	3	0	1	Nil	Nil

Learning Objectives

This course aims to provide students with a comprehensive understanding of Sanskrit lexicography and its computational applications. It covers traditional Sanskrit lexicons, including Vedic and classical texts, and explores the transition from traditional to modern lexicographical methods. Students will gain practical knowledge of digital glossary creation, automatic indexing, and key challenges in computational Sanskrit lexicography. Additionally, the course will introduce relevant Python libraries and web integration techniques, equipping students with the skills to develop digital lexicographical resources and applications.

Learning outcomes

- Understand the fundamentals and historical development of Sanskrit lexicography, including major texts and concepts.
- Gain insights into the evolution of lexicographical methods from traditional indices to modern digital resources.
- Develop proficiency in computational tools for lexicography, such as digital glossary creation and automatic indexing.
- Analyze challenges in computational Sanskrit lexicography and explore potential solutions.
- Apply acquired skills to develop and integrate digital dictionaries and indices into web-based applications

Detailed Syllabus

Unit: I

Hour 11

Introduction to Sanskrit Lexicography

- Introduction to Lexicography
- Introduction to Sanskrit Lexicography
- Types of Sanskrit Lexicographical Texts
- Major Concepts of Sanskrit Lexicography

Unit: II

Hour 11

History of Sanskrit Lexicography

- Introduction to Nighantu and Nirukta

- Other Vedic Indices and Concordances
- Introduction to Amarkosha
- Other Laukika and Shastriya Koshas
- Introduction to Modern Dictionaries and Indices of Sanskrit

Unit: III**Hour 11**

Introduction to Computational Lexicography

- Digital Glossary Making
- Automatic Indexing
- Issues and Challenges in Computational Sanskrit Lexicography (Phrasal Verb, Standardization, Query Handling)

Unit: IV**Hour 12**

Survey and Project

- Digital Dictionaries and Indices
- Python Libraries Related to Lexicography
- Politeness Recognition System
- Integration to Dictionaries in Web Apps
- Project: Make a project on any of the above

Practicals:

Survey of Ancient Indian Lexicon
 Digital Dictionaries Creation
 Digital Glossary Making
 Automatic Indexing and Search

Essential/Recommended Readings/Texts

1. Computational Lexicography for Natural Language Processing. (1989). United Kingdom: Longman.
2. Dictionaries. An International Encyclopedia of Lexicography: Supplementary Volume: Recent Developments with Focus on Electronic and Computational Lexicography. (2013). Germany: De Gruyter.
3. Computational Approaches to the Lexicon. (1994). Spain: Oxford University Press.
4. Automating the Lexicon: Research and Practice in a Multilingual Environment. (2023). United Kingdom: Oxford University Press.
5. अमरकोष - AMARKOSH. (n.d.). (n.p.): Dr. Ajay Kumar.
6. Sarup, L. (1998). The Nighantu and the Nirukta: The Oldest Indian Treatise on Etymology, Philology and Semantics. India: Motilal Banarsidass.
7. Vasudeva Shastri Abhyankar. (1961). A Dictionary of Sanskrit Grammar. Baroda: Oriental Institute.
8. An Encyclopaedic Dictionary of Sanskrit on Historical Principles (Vols. 1-35)- Deccan College.
9. Goyal, P., Huet, G., Kulkarni, A., Scharf, P. (2012). Digital Resources for Sanskrit: A State-of-the-Art Report. Language Resources and Evaluation, 46(4).
10. Huet, Gérard. (2009). The Sanskrit Heritage Platform. INRIA.
11. Jha, Girish Nath. (2010). Sanskrit and Indian Language Computing: The Indian Tradition and Future Directions. Language Resources and Evaluation.

12. Malhotra, Rajiv, & Ramaswamy, Aravinda. (2011). Indra's Net: Digital Humanities and Sanskrit Knowledge Systems. Delhi: HarperCollins.
13. Bhate, Saroja & Kulkarni, Amba. (2012). Lexical Semantics of Sanskrit: Towards a Computational Framework. Proceedings of Sanskrit Computational Linguistics Workshop.
14. Atkins, Sue & Rundell, Michael. (2008). The Oxford Guide to Practical Lexicography. Oxford University Press.
15. Fontenelle, Thierry (Ed.). (2008). Practical Lexicography: A Reader. Oxford University Press.
16. Gouws, Rufus et al. (2013). The Oxford Handbook of Lexicography. Oxford University Press.
17. Kilgariff, Adam. (2013). Corpora in Lexicography. In International Handbook of Lexicography.
18. Tomašev, Nenad et al. (2015). Automatic Construction and Evaluation of Lexical Resources. Computational Linguistics Journal.
19. Bird, Steven, Edward Loper, and Ewan Klein. (2009). Natural Language Processing with Python. O'Reilly Media.
20. McKinney, Wes. (2022). Python for Data Analysis. O'Reilly Media.
21. Grinberg, Miguel. (2018). Flask Web Development. O'Reilly Media.

E Tools-

<https://koshashri-dc.ac.in/>
<https://www.sanskrit-lexicon.uni-koeln.de>
<https://sanskrit.inria.fr/>
<https://www.learn Sanskrit.cc/>
<https://cl.sanskrit.du.ac.in/#>
<https://sanskrit.jnu.ac.in/index.jsp>
<https://sanskrit.uohyd.ac.in/scl/>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-10: Computational Application for Ayurvedic Texts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computational Application for Ayurvedic Texts	04	3	0	1	Nil	Nil

Learning Objectives

This course aims to provide students with a foundational understanding of computational applications for Ayurvedic texts. It introduces key concepts in Sanskrit Computational Linguistics, covering OCR technologies, text processing techniques, and error-handling strategies. Students will explore both front-end and back-end development, gaining hands-on experience with web technologies such as HTML, CSS, JavaScript, Python, and Flask. Additionally, the course emphasizes practical skills in developing web-based applications for Ayurvedic texts, enabling students to apply computational techniques for digitization, analysis, and dissemination of traditional knowledge effectively.

Learning outcomes

- Gain a comprehensive understanding of Ayurvedic textual corpora and their computational applications.
- Develop skills in OCR technologies, text processing, and data cleaning techniques for Sanskrit texts.
- Acquire knowledge of web development fundamentals, including front-end and back-end technologies.
- Learn to build and manage web applications tailored for Ayurvedic texts using Flask and database systems.
- Apply computational methods to enhance accessibility and usability of Ayurvedic knowledge through digital platforms

Detailed Syllabus

Unit: I

Hour 11

Computational Application for Ayurvedic Texts: A survey

- Introduction to Ayurvedic Corpora
- Introduction to Sanskrit Computational Linguistics
- Introduction to Fields of Sanskrit Computational Linguistics

Unit: II

Hour 11

OCR and Text Processing

- Introduction to OCR: Technologies, Processes, Issues and Challenges
- Post-OCR Processing: Handling errors in OCR, Data Cleaning using spreadsheets formula, Introduction to Masking.
- Text Processing: Indexing, POS Tagging, Morphological Analysis, Sandhi and Samasa Handling.

Unit: III**Hour 11****Introduction to Front End Development**

- Introduction to Web Development
- HTML
- CSS
- JavaScript

Unit: IV**Hour 12****Introduction to Back-End Development**

- Introduction to Python
- Introduction to Flask Server
- Introduction to Database Management System
- Project: Make a Web-based App for Ayurvedic Texts or Concepts.

Practicals

- Working with Sanskrit Text Data
- Build simple web page using HTML & CSS
- Write scripts for interactive features using JavaScript
- Creating a Searchable corpus of Ayurvedic texts.
- Creating an online index of Ayurvedic texts.
- Creating an online glossary of Ayurvedic terminology.

Essential/Recommended Readings/Texts

1. Athavale, V. B. Basic Principles of Ayurveda. Chaukhamba Sanskrit Pratishtan.
2. Bhattacharyya, Pushpak. (2017). Machine Translation and Natural Language Processing for Indian Languages. Prentice Hall India.
3. Bird, S., Klein, E., & Loper, E. (2009). Natural language processing with Python: analyzing text with the natural language toolkit. "O'Reilly Media, Inc.".
4. Campbell, J. (2017). Web Design: Introductory. Cengage Learning.
5. Chandra Subhash (March, 2017). मशीनी अनुवाद (Machine Translation) यूजीसी सीबीसीएस स्कीम के तहत बीए (संस्कृत) के एईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित. Vidyanidhi Prakashana, New Delhi.
6. Codecademy. (n.d.). Web development courses. Retrieved from <https://www.codecademy.com/catalog/subject/web-development>
7. D. Jurafsky and J.H. Martin, Speech and Language Processing, Prentice Hall Edition.
8. Duckett, J. (2011). HTML and CSS: Design and Build Websites. Wiley.
9. Duckett, Jon. (2014). HTML & CSS: Design and Build Websites. Wiley.
10. Duckett, Jon. (2015). JavaScript and jQuery: Interactive Front-End Web Development. Wiley.
11. Flanagan, D. (2020). JavaScript: The Definitive Guide (7th ed.). O'Reilly Media.
12. freeCodeCamp. (n.d.). Learn to code — for free. Retrieved from <https://www.freecodecamp.org/>
13. GeeksforGeeks. (n.d.). Web development tutorials. Retrieved from <https://www.geeksforgeeks.org/web-development/>
14. Goyal, P., Huet, G., Kulkarni, A., & Scharf, P. (2012). Digital Resources for Sanskrit. Language Resources and Evaluation, 46(4), 601–622.
15. Grinberg, Miguel. (2018). Flask Web Development: Developing Web Applications with Python. O'Reilly Media.

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17. Jha, Girish Nath. (2010). Sanskrit and Indian Language Computing: The Indian Tradition and Future Directions. *Language Resources and Evaluation*, 44(1–2), 5–15.
18. Kannan, R., & Jha, G.N. (2020). OCR Technologies for Indic Scripts: An Overview. *Proceedings of ICON 2020*.
19. McKinney, Wes. (2022). *Python for Data Analysis* (3rd ed.). O'Reilly Media.
20. MDN Web Docs. (2023, February 18). How the web works. Retrieved from https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/How_the_Web_works
21. MDN Web Docs. (n.d.). Client-side web APIs. Retrieved from https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Client-side_web_APIs
22. MDN Web Docs. (n.d.). Learn web development. Mozilla. Retrieved from <https://developer.mozilla.org/en-US/docs/Learn>
23. MDN Web Docs. (n.d.). Publishing your website. Retrieved from https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/Publishing_your_website
24. Northwood, C. (2018). *The Full Stack Developer: Your Essential Guide to the Everyday Skills Expected of a Modern Full Stack Web Developer*. Apress.
25. Patwardhan, Kishor. (2019). Digital Humanities and Ayurveda: Opportunities and Challenges. *Journal of Ayurveda and Integrative Medicine*, 10(3), 197–203.
26. Raghava Varier, M. R. *Brief History of Ayurveda*. Oxford University Press India, New Delhi, 2020.
27. S. Bird, E. Klein, and E. Loper, *Natural Language Processing with Python*, <https://www.nltk.org/book/>
28. Sarma, V.V.S. (2022). Artificial Intelligence and Knowledge Systems in Ayurveda: A Conceptual Framework. *Journal of Indian Knowledge Systems*, 2(1), 35–45.
29. Tutorialspoint. (n.d.). Web development tutorial. Retrieved from https://www.tutorialspoint.com/web_development_tutorials.htm
30. W3Schools. (n.d.). Bootstrap Tutorial. Retrieved from <https://www.w3schools.com/bootstrap/>
31. W3Schools. (n.d.). CSS Tutorial. Retrieved from <https://www.w3schools.com/css/>
32. W3Schools. (n.d.). HTML Tutorial. Retrieved from <https://www.w3schools.com/html/>
33. W3Schools. (n.d.). JavaScript Tutorial. Retrieved from <https://www.w3schools.com/js/>
34. W3Schools. (n.d.). Web Development Tutorial. Retrieved from <https://www.w3schools.com/whatis/>
35. web.dev. (n.d.). Learn web development. Google. Retrieved from <https://web.dev/learn/>
35. Wujastyk, Dominik. (2003). *The Roots of Ayurveda: Selections from Sanskrit Medical Writings*. Penguin Classics.
36. Yadav, Deepak P. *Ayurveda ka Itihas*. Chaukhamba Surbharti Prakashan, Varanasi, 2010.
37. शुक्ल, वागीश्वर. *आयुर्वेद का इतिहास*. चौखम्बा अमरभारती प्रकाशन.
38. शुक्ल, विद्याधर, और रविदत्त त्रिपाठी. *आयुर्वेद का इतिहास एवं परिचय*. चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-10: Amkaśāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Amkaśāstra	04	3	1	0	Nil	Nil

Learning Objectives

Aims to equip students with the knowledge and skills to

- Learn the significance of numbers and their influence on human life.
- Calculate Life Path Number, Destiny Number, and Soul Urge Number.
- Understand the significance of numbers in personality, strengths, and challenges.
- Apply numerology principles in self-discovery, relationships, and career guidance.
- Analyze patterns and cycles to understand their impact on an individual's life journey and destiny, enabling informed decision-making.

Learning outcomes

After completion of this course the students:

- Understanding of Numerology Principles: Students will demonstrate a thorough understanding of numerology principles and their application in various aspects of life.
- Ability to Calculate Numerological Values: Students will be able to accurately calculate numerological values, such as Life Path Number and Destiny Number.
- Interpretation of Numerological Charts: Students will be able to interpret numerological charts and provide insights into personality, strengths, and challenges.
- Application of Numerology in Real-World Scenarios: Students will be able to apply numerology principles in real-world scenarios, including self-discovery, relationships, and career guidance.
- Critical Analysis of Numerological Patterns: Students will be able to critically analyze numerological patterns and cycles, and understand their impact on an individual's life journey and destiny.

Detailed Syllabus

Unit: I

Hour 11

प्रथम प्रकरण – अंक विद्या रहस्य से तिथियों की संख्या का रहस्य पर्यन्त

द्वितीय प्रकरण – अंक विद्या की सत्यता के साक्ष्य से विविध संख्याओं से सम्बद्ध प्रसिद्ध ऐतिहासिक घटना परंपरा |

Unit: II

Hour 11

तृतीय प्रकरण – मूल अंक बनाने की विधि से अंकों के शुभाशुभ फल विवेचन पर्यन्त ।

चतुर्थ प्रकरण – संयुक्त अंक बनाने की विधि एवं फलादेश से सूर्यादि नवग्रहों के यन्त्र परिचय पर्यन्त ।

Unit: III

Hour 11

पाँचवां प्रकरण – नाम और अंक विद्या का सम्बन्ध से नाम और जन्मतिथि के सामंजस्य तथा

फलकथन पर्यंत ।
छठा प्रकरण – मास वार तथा घंटे के महत्व से अमृत घटी का विचार पर्यंत ।
सातवां प्रकरण – जन्म मास के अनुसार फलादेश से सूर्य राशि आधारित शुभाशुभ के फलकथन की भारतीय परंपरा ।

Unit: IV

Hour 12

आठवां प्रकरण – हस्त रेखा विज्ञान और अंक ज्योतिष का समन्वय से पाश्चात्य ज्योतिष परम्परा में अंक विद्या का प्रयोग पर्यंत ।
नवां प्रकरण – अंकों से प्रश्न विचार से नामाक्षरों से फलादेश विचार पर्यंत ।

Tutorial Activities:

- Evolution of Numeral Forms Worksheet
- Place-Value System Demonstration
- Katapayādi Number Coding Practice
- Indian Arithmetic Methods (Gaṇita-Prayoga)
- Calendar & Date Conversion

Essential/Recommended readings/Texts

1. अंक-विद्या (Numerology), पंडित गोपेशकुमार ओझा , मोतीलाल बनारसीदास ,दिल्ली ,2008
2. अंक विद्या रहस्य (sepharial), पं० केवल आनंद जोशी , रंजन पब्लिकेशन्स , नई दिल्ली , 2009
3. अंक विज्ञान और ज्योतिष , कीरो , पेंगुइन रैंडम हाउस इंडिया , हरियाणा , 2021

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-10: Siddhantashiromani

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Siddhantashiromani	04	3	1	0	Nil	Nil

Learning Objectives

The course aims to introduce contemporary theories and facts about Vedic mathematics and the Bhartiya mathematical tradition, addressing both traditional and modern questions. It seeks to demonstrate how Vedic mathematics and the entire Bhartiya mathematical tradition is a living practice.

Learning outcomes

After completion of this course the students:

- Will have a comprehensive understanding of the innovative concepts bridging the gap between Bhartiya Mathematics and Modern Mathematics.
- Will acquire knowledge of the different dimensions of Mathematics i.e. effects, cause, definitions, forms and facts present in Bhartiya Mathematics and Vedic Mathematics. They will explore the historical context, key principles, and methodologies that characterize this unique approach.
- Will become acquainted of new concepts and facts found in Mathematics.
- Will be able to compare modern and ancient thoughts of Mathematics.
- Will achieve the ability to critically analyze and explain the prescribed texts.

Detailed Syllabus

Unit: I	Hour 11
Madhyamadhikar, Bhaganadhyay, Kakshadhyay	
Unit: II	Hour 11
Bhooparidhyaadyadhyay, Spashtadhikar	
Unit: III	Hour 11
Triprashnadhikar, Parvsambhavadhikar	
Unit: IV	Hour 12
Chandragrahanadhikar, Suryagrahanadhikar	

Tutorial Activities:

- Textual Analysis Seminar
- Student-Led Presentation & Peer Review
- Short Research Paper / Concept Note
- Seminar Debate
- Conceptual Mapping

Essential/Recommended readings/Texts

1. Sharma, Satyadev, 2015, Siddhantashiromani, Chowkhambha Surbharti Prakashan, Varanasi.

Secondary Sources:

1. मिश्र, कमलाकान्त (सम्पा.), 2003, संस्कृत वाङ्मय में विज्ञान का इतिहास, राष्ट्रीय शैक्षिक अनुसन्धान और प्रशिक्षण परिषद्, नई दिल्ली।
2. Datta, Bibhutibhushana & Singh Avadesh Narayan, 2004, History of Hindu Mathematics (Vol. 1&2) Bharatiya Kala Prakashan, Delhi.
3. तिवारी, दया शंकर, 2020, संस्कृत वाङ्मय में गणितीय परम्परा, चौखम्भा ऑरियण्टालिया, दिल्ली।

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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GE-4: Scientific Thoughts in Vedic Literature

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Scientific Thoughts in Vedic Literature	04	3	1	0	Nil	Nil

Learning Objectives:

The course seeks to introduce the basic knowledge of Vedās and Vedāṅgās. It aims to increase the interest of students in Vedic learning. The syllabus enhances the understanding of students to prove that the modern scientific findings are already imbibed in vedic literature.

Learning outcomes:

After completion of this course the students will:

- describe the basic concept of Vedic Science.
- tell rudimental principles of Vedic Physics, Chemistry, Botany etc.
- give details about the facts of science which have been mentioned in the Vedas.
- explain the meaning of Vedic hymns with scientific viewpoint.

Detailed Syllabus:

Unit: I

Hour 11

Vedic concepts of Physics and Chemistry

- Different Forms of Energy
- Forms of Heat
- Solar Energy
- Velocity of Light
- Physical Chemistry
- Inorganic Chemistry
- Organic Chemistry

Unit: II

Hour 11

Botanical and Agricultural concepts in Vedas

- Taxonomy
- Photo-synthesis
- Kṛṣi and Yajña
- Soil, Seed and Rain

Unit: III

Hour 11

- Vedic Technology

- Vedic Mathematics

Unit: IV**Hour 12**

- Vedic Medicine System
- Vedic Astronomy

Tutorial Activities:

- Doubt solving classes.
- Development of writing and reading skills in Sanskrit.
- Finding the conversions between the vedic science and present science.
- Learning the detailed present Ayurvedic system.

Essential/Recommended Readings/Texts:**Essential Readings:**

1. द्विवेदी डॉ. कपिलदेव, वेदों में विज्ञान, विश्वभारती अनुसन्धान परिषद्, भदोही, उत्तर प्रदेश, २०००.
2. अथर्ववेद का सांस्कृतिक अध्ययन, डा० कपिलदेव द्विवेदी, १९८८ ई०.
3. प्राचीन भारतीय गणित, डा० ब०ल० उपाध्याय, नई दिल्ली. १९७१.
4. भारतीय स्थापत्य, डा० द्विजेन्द्रनाथ शुक्ल, हिन्दी समिति उ०प्र०, १९६८.
5. संसार के महान् गणितज्ञ, गुणाकर मुले, राजकमल, दिल्ली, १९९२.
6. संस्कृत शास्त्रों का इतिहास, आचार्य बलदेव उपाध्याय, वाराणसी, १९९४.
7. वेदरश्मि, डा० वासुदेवशरण अग्रवाल, पारडी, १९६४.
8. वेदविद्या, डा० वासुदेवशरण अग्रवाल, रामप्रसाद एण्ड सन्स, आगरा.
9. पाणिनिकालीन भारतवर्ष, डा० वासुदेवशरण अग्रवाल, वाराणसी, १९५६.
10. वेद व विज्ञान, स्वा० प्रत्यगात्मानन्द, वि०वि० प्रकाशन, वाराणसी, १९९२.
11. वेद-विज्ञान, कर्पूरचन्द्र कुलिश, राज० सं० अकादमी, जयपुर, १९८७.
12. वेदों की वैज्ञानिक अवधारणा, शिवनारायण उपाध्याय, कोटा, १९९४.
13. वेदों में आयुर्वेद, डा० कपिलदेव द्विवेदी, ज्ञानपुर १९९३.
14. वेदों में विज्ञान, डा० बलराज शर्मा, दिल्ली, १९९१.
15. वैदिक कोश, डा० सूर्यकान्त, बनारस यूनि०, १९६३.
16. वैदिक वाङ्मय में विज्ञान, डा० रामेश्वरदयाल गुप्त उज्जैन, १९९७.
17. वैदिक विज्ञान और भारतीय संस्कृति, गिरिधर शर्मा, पटना, १९७२.
18. वैदिक सम्पदा, वीरसेन वेदश्रमी, दिल्ली, १९७३.
19. वैज्ञानिक विकास की भारतीय परम्परा, डा० सत्यप्रकाश, पटना, १९५४.

Additional Readings:

1. चरकसंहिता, भाग १ और २, व्याख्या पं० काशीनाथ शास्त्री, चौखम्बा संस्कृत संस्थान, वाराणसी सन् १९८३.
2. सुश्रुतसंहिता भाग १ और २ व्याख्या -डा० अम्बिकादत्त शास्त्री चौखम्बा संस्कृत संस्थान, वाराणसी सन् १९८१, १९८२.
3. अष्टाङ्गहृदयम् व्याख्या -कविराज अत्रिदेव गुप्त चौखम्बा संस्कृत संस्थान वाराणसी सन् १९८७.
4. द्रव्यगुणविज्ञान भाग ४ आचार्य प्रियव्रत शर्मा चौखम्बा भारती अकादमी वाराणसी १९८४.
5. अथर्ववेदीय चिकित्साशास्त्र पं० प्रियरत्न आर्ष (स्वामी ब्रह्ममुनि) सार्वदेशिक आर्यप्रतिनिधि सभा दिल्ली १६४१.
6. वैदिक साहित्य में शल्यचिकित्सा -डा० रामजीत विश्वकर्मा राहुल प्रकाशन वाराणसी १९८६.
7. Economy of Plants in the Vedas] Rajiva Kamal] Common Wealth Publishers] New Delhi] 1988.

8. Cosmogony in the Vedas, Ram Murti Sharma, 1995.
9. Founders of Sciences in Ancient India, Dr. Satya Prakash, 1995.
10. The Essence of the Vedas, Dr. K.D. Dvivedi, 1990.
11. Mathematics as known to Vedic Samhitas, M.D. Pandit, 1993.
12. Mathematics in Ancient & M. India, A.K. Bag, 1979.
13. Non-Conventional Sources of Energy in Vedas, M, Ashtikar, 1995.
14. Scientific knowledge in Vedas, P.V. Vartak, 1995.
15. Science and Technology in Vedas, Krishnaji, 1995.
16. Science in the Vedas, V.N. Shastri, Delhi, 1970.
17. The Sulba Sutras, Dr. Satya Prakash, 1979.
18. Vedanga Jyotisa of Lagadha, T.S.K. Sastry, New Delhi, 1985.
19. Vedic Mathematics, Swami Bharati Krishna Tirtha, 1981.
20. Weather Science in Ancient Inida, A.S. Ramanathan, Jaipur, 1993.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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GE-4: Survey of Sanskrit Poetry-4

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Survey of Sanskrit Poetry-4	04	3	1	0	Nil	Nil

Learning Objectives

The purpose of this course is to familiarize the students with the important poetic contributions of the famous poets of Sanskrit literature.

Learning outcomes

Upon successful completion of this course students:

- will have a broad perspective of the field of famous poets of Sanskrit literature and their contributions.
- will be successful in applying this knowledge for critical analysis.

Detailed Syllabus

Unit: I

Hour 11

कल्हण – कालविषयक विभिन्न मत, जीवनवृत्त, रचनाएँ, ऐतिहासिक प्रामाण्य, परवर्ती इतिहासकाव्यों पर प्रभाव

Unit: II

Hour 11

बिल्हण – कालविषयक विभिन्न मत, जीवनवृत्त, रचनाएँ, ऐतिहासिक प्रामाण्य, परवर्ती इतिहासकाव्यों पर प्रभाव

Unit: III

Hour 11

अप्पयदीक्षित – कालविषयक विभिन्न मत, जीवनवृत्त, रचनाएँ, साहित्यिक वैशिष्ट्य

Unit: IV

Hour 12

पण्डितराज जगन्नाथ – कालविषयक विभिन्न मत, जीवनवृत्त, रचनाएँ, साहित्यिक वैशिष्ट्य

Tutorial Activities:

- Text Reading & Annotation Workshops
- Alaṅkāra Spotting Competition
- Meter Identification Workshop (Chandas Anubhava)
- Descriptive Imagery Recreation
- Dramatic Enactment / Abhinaya Practice

Essential/Recommended Readings/Texts**Essential Readings:**

1. व्यास भोलाशंकर – संस्कृत कवि दर्शन, चौखम्बा विद्याभवन, वाराणसी
2. शर्मा उमा शंकर 'ऋषि' – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
3. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
4. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Additional Resources:

1. धर, सोमनाथ – कल्हण, साहित्य अकादमी, दिल्ली
2. गर्ग, कमलेश – कल्हण की राजतरङ्गिणी में राजनीतिक परिस्थितियाँ, विद्यानिधि प्रकाशन, दिल्ली, 2004
3. शास्त्री, मधुसूदन – पण्डितराज जगन्नाथ ग्रन्थावली, कृष्णदास अकादमी, वाराणसी।
4. Kawthekar, P.N. – Bilhana, Sahitya Akademi, Delhi, 1995

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-4: Alaṅkāra**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Alaṅkāra	04	3	1	0	Nil	Nil

Learning Objectives

This course gives basic and necessary information on modern Sanskrit Poetics. It also focuses on all the basic poetic elements in Sanskrit Poetics.

Learning outcomes

After the completion of the course students will:

- will acquire knowledge of the different dimensions of poetry i.e. Rīti, Vakrokti, Aucitya and Nyāya used in Sanskrit Poetics.
- will be able to learn the thoughts of Sanskrit poetics.
- become aware of the expanse and the depth of Sanskrit poetics;
- gain the ability to explain and critically analyze the Sanskrit texts.

Detailed Syllabus**Unit: I****Hour 11**

शब्दालङ्कार एवं शृङ्खलामूलक अर्थालङ्कार – अनुप्रास, यमक, वक्रोक्ति, श्लेष, पुनरुक्तवदाभास, वीप्सा, प्रहेलिका, चित्र, कारणमाला, एकावली, मालादीपक, सार

Unit: II**Hour 11**

साधर्म्यमूलक अर्थालङ्कार – उपमा, अनन्वय, उपमेयोपमा, रूपक, उत्प्रेक्षा, ससन्देह, भ्रान्तिमान्, अपहृति, उल्लेख, तुल्ययोगिता, दीपक, प्रतिवस्तूपमा, दृष्टान्त, निदर्शना, व्यतिरेक, अर्थान्तरन्यास

Unit: III**Hour 11**

विरोध, गोपन एवं अतिशयमूलक अर्थालङ्कार – विरोध, विभावना, विशेषोक्ति, समासोक्ति, अप्रस्तुतप्रशंसा, पर्यायोक्त, परिकर, अतिशयोक्ति, उदात्त

Unit: IV**Hour 12**

लोकन्यायमूलक अर्थालङ्कार तथा उभयालङ्कार – काव्यलिङ्ग, परिसंख्या, अनुमान, तदुण, मीलित, प्रत्यनीक, प्रतीप, विकल्प, समुच्चय, परिसंख्या, यथासंख्य, पर्याय, संसृष्टि एवं संकर

Tutorial Activities:

- Alaṅkāra Spotting Competition
- Alaṅkāra Chart Making
- Verse Rewriting Workshop
- Alaṅkāra in Daily Speech
- Commentary Reading Practice

Essential/Recommended Readings/Texts**Essential Reading:**

1. 'हीरा' राजवंश सहाय – अलङ्कारों का ऐतिहासिक विकास, बिहार हिन्दी ग्रन्थ अकादमी, पटना।
2. मिश्र, शोभाकान्त - अलंकार-धारणा : विकास और विश्लेषण, बिहार हिन्दी ग्रन्थ अकादमी, पटना।
3. मिश्र, जयमन्त – अलंकार प्रकाश, मोतीलाल बनारसीदास, दिल्ली
4. कृष्णकुमार - अलंकारशास्त्र का इतिहास, साहित्य भण्डार, मेरठ

Additional Readings:

1. चौधरी सत्यदेव - काव्यशास्त्र के परिदृश्य, परिमल पब्लिकेशन्स, दिल्ली
2. Raghavan V. and Nagendra - An Introduction to Indian Poetics, Macmillan and Company Limited, Madras.
3. De, S.K. - History of Sanskrit Poetics, K.L. Mukhopadhyay, Calcutta
4. Kane, P.V. - History of Sanskrit Poetics, MLBD, Delhi
5. Raghavan, V. - Studies on Some Concepts of Alaṅkāraśāstra, Adyar Library, Madras

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-4: Judicial Systems in Dharmaśāstric Tradition

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Judicial Systems in Dharmaśāstric Tradition	04	3	1	0	Nil	Nil

Learning Objectives

This course explores the judicial systems as depicted in ancient Indian thought, with a focus on its presentation and interpretation within the framework of Dharmaśāstric treatises. Students will examine the principles of justice, the role of courts and judges, legal procedures, and the administration of law in ancient India with special references to civil (dharmasthiya) and criminal (kantakashodhana) judiciary.

Learning outcomes:

1. Trace the historical context and contemporary applications of Dharma in Indian law.
2. Explore the mutual influence and interplay between Dharma, Indian Knowledge Systems (IKS), and jurisprudence.
3. Analysis of how Dharma and IKS inform legal thought and practice in contemporary India.
4. Understand the evolution or spirit of Dharma in the legal system.
5. Examination of the enduring relevance of ancient Indian wisdom in shaping modern legal discourse.

Detailed Syllabus

Unit: I

Hour 11

Dharma and Justice
 Social welfare (योगक्षेम)
 Regional (Deśadharma), Societal (Jātidharma), Familial Variations (Kuladharma), Rule of Castes (Varṇadharma), Rule of Four Orders of Life (Āśramadharma), Rule Of Law (Rājadharma Or Guṇadharma), Emergent Laws (Āpaddhadharma)
 Concepts of righteousness, truth (satya), rit and equity.
 Role of kingship and the responsibility of rulers to uphold justice.

Unit: II

Hour 11

Judicial Process
 Judgments, Decrees, Precedents and ordinances (śāsana)
 Types of Courts: Royal courts, village courts, and other forms of dispute resolution.
 Qualifications and selection of judges
 Customary Laws or Standards derived from societal customs or usages (ācāra)
 Litigation, Court Procedure: Procedures for filing complaints, gathering evidence, and conducting trials.

Trial Process:

- Bhāṣāpāda (Plea): The plaintiff or defendant submits their plea or legal briefings.
- Uttarapāda (Reply): The response or counterarguments presented by the opposing party in reaction to the initial pleadings.
- Kriyāpāda (Hearing): The active proceedings and oral arguments conducted during the trial phase of the criminal procedure
- Siddhipāda (Decree): Final judgment, decisions, outcomes such as convictions, acquittals.

Unit: III**Hour 11**

Vyavahārapada

18 Legal Processes (Vyavahārapada)

14 civil discourse + 4 criminal adjudications

Gathering of Intelligence on Criminals: Surveillance and Monitoring of the Accused

Forensic Evidence Collection (Āśumṛtaka): Forensic evidence, autopsies etc

Interrogation of the Accused: Rigorous interrogation during criminal proceedings to ascertain the involvement in the alleged offences.

Unit: IV**Hour 12**

Evidence and Witness (sākṣī)

Witness Oaths

Traits of a Credible Witness

Traits of an Incompetent Witness

Admissible Evidence

Inadmissible Evidence

Tutorial Activities:

- Concept Clarification Chart
- Case Study Workshop: Vyavahāra Padas
- PPT
- Group Discussion

Essential/Recommended Readings/Texts:

1. Davis, Donald. R. *The Spirit of Hindu Law*. Cambridge University Press, 2010.
2. Dutt, M. N. *The Dharmashastra-Hindu Religious Codes*. Cosmo Publications, 1979.
3. Flood, Gavin. *An Introduction to Hinduism*. Cambridge University Press, 1996.
4. Gupta, Sen. "Comparative View of Law in Ancient India." *Cahiers d'Histoire Mondiale. Journal of World History. Cuadernos de Historia Mundial* 2.2 (1954): 283.
5. Jha, Ganganath. *Pūrva-Mīmāṃsā in its Sources*. 2nd ed., Benares Hindu University, 1964.
6. Jois, Mandagadde Rama. *Ancient Indian law: Eternal values in manusmṛiti*. Universal Law Publishing, 2015.
7. Kane, P. V. *History of Dharmaśāstra*. Bhandarkar Oriental Research Institute, 1930.
8. Kaundinnyāyana, Ś. Ā. *Manusmṛtiḥ*. Varanasi: Chaukhamba Vidyabhawan, 2014.
9. Kumar, S. *Viśuddha-Manusmṛti*. New Delhi: Aarsh Sahitya Prachar Trust, 1996.
10. Lubin, Timothy, Davis R. McCrea, and Varun Uberoi Krishnan. *Hinduism and Law: An Introduction*. Cambridge University Press, 2010.

- 11. McCrea, Lawrence. "Hindu Jurisprudence and Scriptural Hermeneutics." In *Hinduism and Law: An Introduction*, edited by Timothy Lubin, Davis R. McCrea, and Varun Uberoi Krishnan, pp. 123–136. Cambridge University Press, 2010.
- 12. Mulla, Dinshaw Fardunji and Satyajit A. Desai. *Mulla Hindu Law*, LexisNexis, 2020
- 13. Nagpal, Ramesh Chandra. *Modern Hindu Law*. Eastern Book Company Publishing Pvt. Ltd., 2008.
- 14. Newbiggin, Eleanor. *The Hindu family and the emergence of modern India: law, citizenship and community*. Vol. 22. Cambridge University Press, 2013.
- 15. Olivelle, Patrick. *Dharmasutra: The Law Codes of Ancient India*. Oxford University Press, 1999.
- 16. Olivelle, Patrick and Davis, Donald. R. *Hindu Law: A New History of Dharmaśāstra*, Oxford University Press, 2018.
- 17. Purohit, Shanti Kumar. *Ancient Indian legal philosophy: Its relevance to contemporary jurisprudential thought*. Deep and Deep Publications, 1994.
- 18. Sarkar, Kishori Lal. *The Mimansa Rules of Interpretation as Applied to Hindu Law*. Thacker, Spink and Co., 1909.
- 19. Saxena, Poonam Pradhan. *Family Law Lectures, Family Law-II*. Lexis Nexis Butterworth India, 2018.
- 20. Sternbach, Ludwik. "Juridical studies in ancient Indian law." *Annals of the Bhandarkar Oriental Research Institute* 24.3/4 (1943): 165-174.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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GE-4: Śrīmadbhagvadgītā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Śrīmadbhagvadgītā	04	3	1	0	Nil	Nil

Learning Objectives

The purpose of this course is to familiarize the students with the important philosophical concepts mentioned in Śrīmadbhagvadgītā.

Learning outcomes

After the completion of this course the students:

- will have a broad perspective of the field of philosophical concepts and their theories in Śrīmadbhagvadgītā.
- will be successful in applying this knowledge for critical analysis.

Detailed Syllabus

Unit: I

Hour 11

श्रीमद्भगवद्गीता (द्वितीय अध्याय) : आत्मा की अमरता, निष्काम कर्मयोग, योग के विभिन्न लक्षण, स्थितप्रज्ञता

Unit: II

Hour 11

श्रीमद्भगवद्गीता (तृतीय अध्याय) : यज्ञादि कर्मों की आवश्यकता, लोकसंग्रह, अज्ञानी और ज्ञानवान् के लक्षण, रागद्वेष से रहित कर्म करने की प्रेरणा

Unit: III

Hour 11

श्रीमद्भगवद्गीता (षष्ठ अध्याय) : ध्यान में कर्म की भूमिका, योगारूढ साधक, योगी का लक्षण, योगी का आहार-विहार, योगसिद्धि के उपाय, मनोनिग्रह के उपाय

Unit: IV

Hour 12

श्रीमद्भगवद्गीता (नवम अध्याय) : सकाम उपासना, निष्काम उपासना तथा उनके फल

Tutorial Activities:

- Concept Mapping Exercise

- Bhakti–Jñāna–Karma Discussion Debate
- Character Study Assignment
- Chanting Workshop (Svādhyāya)
- Compare Classical & Modern Commentaries

Essential/Recommended Readings/Texts

Essential Readings:

1. श्रीमद्भगवद्गीता – गीताप्रेस, गोरखपुर.
2. Mahabharata, Critical Edition, BORI, Poona.
3. Mahabharata Text, pub. Gita Press, Gorakhpur.

Additional Resources:

1. Mahabharata with Neelakantha’s Commentary, Chitrashala Press, Poona, 1929-33.
2. गीतादर्पण – स्वामी रामसुखदास, गीताप्रेस, गोरखपुर, सं. 2064.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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GE-4: Introduction to NLTK for Indian Languages

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
NLTK for Indian Languages	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to introduce students to the basics of Python programming and its application in natural language processing (NLP) for Indian languages using the Natural Language Toolkit (NLTK). Students will gain foundational Python skills, explore the features of NLTK, and learn to process Indian language data through various NLP techniques, including tokenization, POS tagging, and sentiment analysis. The course provides hands-on experience in building NLP pipelines tailored to Indian linguistic diversity.

Learning outcomes

By the end of this course, students will:

- Acquire a working knowledge of Python programming for text processing.
- Understand the basic functionalities and structure of NLTK for NLP tasks.
- Learn to process Indian language text data for tasks like tokenization, stemming, and tagging.
- Implement NLP pipelines to solve linguistic challenges in Indian languages.
- Gain hands-on experience in building simple NLP projects for Indian language datasets.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Python:

- Python syntax, data types, variables, and operators.
- Control structures: if-else, loops, and functions.
- Lists, dictionaries, tuples, and sets.
- Working with Strings:
 - String methods and manipulations for text processing.
- File Handling in Python:
 - Reading, writing, and processing text files.
- Introduction to Libraries:
 - Installing and importing libraries (e.g., NLTK, NumPy, Pandas).

Unit: II

Hour 11

NLTK: Basic

- Searching Text: concordance, similar, common_contexts, dispersion_plot
- Counting Vocabulary: len(), sorted(), lexical richness, lexical diversity

Unit: III

Hour 11

NLTK: Intermediate

- Searching Text: concordance, similar, common_contexts, dispersion_plot
- Counting Vocabulary: len(), sorted(), lexical richness, lexical diversity

Unit: IV

Hour 12

Using Guide of NLTK

Tutorial Activities:

- Develop a POS Tagger for Sanskrit
- Build a frequency dictionary of words from a Sanskrit śloka collection

Essential/Recommended Readings/Texts

1. Bird, Steven, Edward Loper, and Ewan Klein. *Natural Language Processing with Python – Analyzing Text with the Natural Language Toolkit*. O'Reilly Media, 2009.
2. Rao, P. R., & Bhattacharyya, P. (2022). *Computational Linguistics for Indian Languages: Concepts, Tools, and Applications*. Springer.
3. Gupta, D. & Saini, S. (2021). *Python for Natural Language Processing: Fundamentals, Techniques and Applications*. Springer.
4. Bhattacharyya, Pushpak. (2010). *IndoWordNet: A Lexical Database for Indian Languages*. *LREC Proceedings*, 803–810.
- Jha, Girish Nath. (2010). *The TDIL Program and the Indian Language Corpora Initiative (ILCI)*. *LREC Proceedings*.
- Mukherjee, Anil, & Sharma, Dipti Misra. (2019). *Challenges in NLP for Indian Languages*. *Journal of South Asian Linguistics*, 6(1).
- Sinha, M., & Jain, M. (2020). *IndicNLP Library: Building NLP Resources for Indian Languages*. *Proceedings of LREC 2020*.
5. Rao, R. (2023). *Applying NLTK for Sanskrit and Hindi Corpora Analysis: A Practical Note*. *Indian Journal of Digital Humanities*, 2(1)

E Tools-

<https://www.nltk.org/>
https://github.com/anoopkunchukuttan/indic_nlp_library
<https://tdil-dc.in/>
<https://ai4bharat.iitm.ac.in/>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

GE-4: Basic Principles of Vāstuśāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Basic Principals of Vāstuśāstra	04	3	1	0	Nil	Nil

Learning Objectives

Learn the basic principles and concepts of Vastu Shastra. Apply Vastu principles in designing and constructing buildings and spaces. Understand the flow of energies in different directions and their impact on occupants. Design spaces that are Vastu-compliant and promote harmony, prosperity, and well-being. Identify and rectify Vastu defects in existing buildings and spaces to improve the quality of life.

Learning outcomes

By the end of this course, students will:

- Understanding Vastu Fundamentals: Students will learn the basic principles and concepts of Vastu Shastra, including its history and significance.
- Analyzing Spatial Energies: Students will understand the flow of energies in different directions and their impact on occupants, including the five elements and their balance.
- Designing Vastu-Compliant Spaces: Students will learn to design spaces that are Vastu-compliant, promoting harmony, prosperity, and well-being.
- Identifying and Rectifying Vastu Defects: Students will be able to identify and rectify Vastu defects in existing buildings and spaces to improve the quality of life.
- Applying Vastu Principles in Practice: Students will develop skills to apply Vastu principles in real-world scenarios, including residential, commercial, and industrial spaces.

Detailed Syllabus

Unit: I

Hours: 12

वास्तुशास्त्र का उद्भव एवं विकास, वास्तु शास्त्र के भेद, वास्तु शास्त्र के आधारभूत ग्रन्थों का परिचय।

Unit: II

Hours: 11

पंचमहाभूतों का परिचय, वास्तुशास्त्र में पंचमहाभूतों की उपयोगिता, जलप्रबन्धन, सूर्यप्रकाशप्रबन्धन,

वायुतत्त्वप्रबन्धन, खिड़की, झरोखा (गवाक्ष) आकाश।

Unit: III

Hours: 11

भूमि परीक्षण की विधियाँ, भूमि के आकार-प्रकार, वर्ण, रस, गन्ध, प्लवत्वादि द्वारा भूमि का शुभाशुभत्व विचार, प्रशस्त एवं निषिद्ध भूमि लक्षण ।

Unit: IV

Hours: 11

वास्तुशास्त्र में पदविन्यास, मर्म स्थान, ब्रह्मस्थान एवं उसका महत्त्व, वास्तु एवं पर्यावरण ।

Tutorial Activities:

- Textual Interpretation and Translation Workshop
- Site Orientation and Layout Analysis (Pāda-vinyāsa)
- Case Study: Traditional Indian Structure
- Group Discussion

Essential/Recommended Readings/Texts

1. बृहद्वास्तुमाला, रामनिहोरद्विवेदी द्वारा संगृहीत तथा हिन्दी भाषा में अनूदिता डॉ. ब्रह्मानन्द त्रिपाठी द्वारा संशोधित व सम्पादित, चौखम्बा सुरभारती प्रकाशन, वाराणसी 1987.
2. बृहत्संहिता, व्याख्याकार, श्री अच्युतानन्द झा, चौखम्बा विद्याभवन, वाराणसी 1983.
3. Brhāt Samhitā Varāhamihir, (in two vols.) Edited with English Translation by M. Ramakrishna Bhat, Motilal Banarasidass, Delhi, 1995
4. Shukla, D.N. Vāstu-Śāstra, Hindu Science of Architecture (in two vols.), Shukla Printing Press, Lucknow, 1960
5. शुक्ल, द्विजेन्द्रनाथ, भारतीय वास्तुशास्त्र और प्रतिमा विज्ञान, लखनऊ 1967.
6. चतुर्वेदी, शुकदेव भारतीय वास्तुशास्त्र - वर्तमान सन्दर्भ में समग्र परिशीलन श्री लालबहादुरशास्त्री राष्ट्रीय संस्कृत विद्यापीठ ग्रन्थमाला, पुष्प-66, नई दिल्ली 2004.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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GE-4: Sanskrit Inscriptions of the Early Medieval and Medieval Period

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sanskrit Inscriptions of the Early Medieval and Medieval Period	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to help students understand the key features, scripts and forms of Sanskrit inscriptions from the early medieval and medieval periods. By studying major dynastic records such as those of the Pala, Gurjara-Pratihara, Rashtrakuta, Chalukya, Chola, Kalachuri, Gahadavala, Kamarupa, Vijayanagara, Kerala, Odisha and Rajputana traditions, the students will learn how to read, interpret and use inscriptional evidence to understand the political, cultural, social and administrative history of the time.

Learning outcomes

By the end of this course, students will:

- Understand the main features, scripts and forms of medieval Sanskrit inscriptions.
- Identify and interpret inscriptions from major early medieval and medieval dynasties.
- Use inscriptional evidence to study political and cultural history.
- Develop basic skills for reading and analysing Sanskrit inscriptions.

Detailed Syllabus

Unit: I

Hours: 12

- Key Features
- Pala Inscriptions
- Gurjara-Pratihara Inscriptions
- Rashtrakuta copper plates

Unit: II

Hours: 11

- Early Chalukya Inscriptions
- Chola copper-plate grants

- Kalachuri Inscriptions
- Paramara Inscriptions

Unit: III

Hours: 11

- Chandella Inscriptions
- Gahadavala Inscriptions
- Kamarupa Inscriptions
- Vijayanagara Inscriptions

Unit: IV

Hours: 11

- Kerala temple copper plates
- Odisha Inscriptions
- Inscriptions of Rajputana

Tutorial Activities:

- Learning of dating systems and chronology
- Study of dynastic lineage and genealogy
- Knowledge of geographical location and mapping
- Study of scripts, language and palaeography

Essential/Recommended Readings/Texts

1. जुगनू, श्रीकृष्ण. राजस्थान के प्राचीन अभिलेख. जोधपुर, राजस्थान ग्रंथागार, 2022.
2. सहाय, शिवस्वरूप. भारतीय पुरालेखों का अध्ययन. मोतीलाल बनारसीदास, दिल्ली, 2008.
3. सैनी, रणजीत सिंह. अभिलेखमञ्जूषा. न्यू भारतीय बुक कार्पोरेशन, दिल्ली, 2000.
4. सिंह, रमेश चन्द्र. प्रारम्भिक मध्यकालीन भारत के अभिलेख. चौखम्बा विद्या भवन, वाराणसी, 2005.
5. श्रीवास्तव, के. सी. प्राचीन भारत का इतिहास तथा संस्कृति. यूनाइटेड बुक डिपो, इलाहाबाद, 2022.
6. Fleet, John Faithfull. Corpus Inscriptionum Indicarum, Vol. III. Superintendent of Government Printing, Calcutta, 1888.
7. Lahiri, Nayanjot. Pre-Ahom Assam: Studies in the Inscriptions of Assam between the Fifth and the Thirteenth Centuries AD. Munshiram Manoharlal Publishers, Delhi, 1991.
8. Mishra, Ratan Lal. Epigraphical Studies of Rajasthan Inscriptions. B.R. Publishing Corporation, Delhi, 2003.
9. Rajaguru, S. N. Inscriptions of Orissa (c. 600–1100 A.D.), Vol. II. Odisha State Museum, Bhubaneswar, 1960.
10. Ritti, Shrinivas (Ed.). Inscriptions of the Vijayanagara Rulers, Vol. VI. Indian Council of Historical Research, New Delhi, 2017.
11. Sircar, D.C. Select Inscriptions Bearing on Indian History and Civilization. University of Calcutta, Calcutta, 1965; 2nd ed. Motilal Banarsidass, Delhi, 1983.
12. Thaplyal, Kiran Kumar. Inscriptions of the Paramaras, Chandellas, Kachchhapaghitas and Two Minor Dynasties. 2 vols., Archaeological Survey of India, New Delhi, 1991.

13. Tripathy, Snigdha. Inscriptions of Orissa, Vol. I. Motilal Banarsidass, Delhi, 1998.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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3. Skill Based Course (SBC): Any 1 from pool Credits 02

Anyone for the SBC-2 from the following pool

SBC-4: Surveys on Vedic Manuscripts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Surveys on Vedic Manuscripts	02	1	0	1	Nil	Nil

Learning Objectives

The course provides an insight into the concept of manuscript. It develops understanding about the importance of these handwritings in providing authentic information on Vedic scriptures. It enables the learners to trace the sources, types and number of Vedic manuscripts. The course also upskills learners to decipher and edit critical editions of Samhitas particularly the Rigveda.

Learning outcomes

After completion of this course, the students will:

- define Vedic manuscript in own words.
- describe importance of manuscripts in preservation of Vedic literature.
- explore persons and institutions involved in preservation of Vedic manuscripts.
- enumerate Vedic manuscripts available at various institutions and museums.
- prepare a manuscript-based critical edition of Rigveda Samhita.

Detailed Syllabus

Unit: I

Hour 15

- General introduction to the Vedic manuscripts.
- A survey on the persons, institutions and e-sources contributing towards preservation of Vedic manuscripts.
- Examining the process of publication of the Vedic Samhitas/Scriptures from Vedic manuscripts.

Unit: II

Hour 15

- Exploring unpublished manuscripts of the Vedic Scriptures.
- Analysing the critical edition of Rigved Samhita.

- Field visit to Manuscript Centers e.g. IGNCA and preparing a report on the procedure of collection, decipherment, preservation and publication of manuscripts.

Practical Activities:

- Writing an article on Vedic manuscripts.
 - Preparing report of survey/field visit for institutional magazine.
 - Interviewing persons involved in exploration, decipherment and publication of the Vedic manuscripts and present it electronically.
- Digitization of vedic manuscripts.

Essential/Recommended Readings/Texts

Essential Readings:

1. ओझा, गौरीशंकर हीराचंद - भारतीय प्राचीन लिपिमाला, मुंशीराम मनोहर लाल, दिल्ली, 1971
2. ब्यूलर, जार्ज भारतीय पुरालिपि शास्त्र (अनुवादक) मङ्गलनाथ सिंह, मोतीलाल बनारसीदास, दिल्ली, 1966.
3. राय, एस.एन. भारतीय पुरालिपि एवं अभिलेख, शारदा पुस्तक भवन, इलाहाबाद, 1994.
4. गुप्त परमेश्वरी लाल (2014) प्राचीन भारत के प्रमुख अभिलेख, विश्वविद्यालय प्रकाशन, वाराणसी।
5. प्राचीन भारतीय अभिलेख संग्रह - भाग 1 (1982), (राजस्थान हिन्दी ग्रन्थ अकादमी जयपुर।
6. Salomon, Richard - Indian Epigraphy, A Guide to The Study of Inscriptions-Sanskrit, Prakrit & Other Indian Languages, Munshi Ram Manohar Lal Publishers Pvt. Ltd., Delhi, 1998.
7. Sircar, DC, Selected Inscriptions, University of Calcutta, Kolkata, 1965.
8. Sircar, DC, Selected Inscriptions, Volume II, University of Calcutta, Kolkata, 1965.

Additional Resources:

1. Seshagiri M. and Rangacharya, M. A Descriptive Catalogue of the Sanskrit Manuscripts in the Government Oriental Manuscripts Library, Madras, Government press, Madras, 1905.
2. Friedrich Otto Schrader, A Descriptive Catalogue of the Sanskrit manuscripts in the Adyar Library, Madras, 1908.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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SBC-4: Rasānubhūti

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Rasānubhūti	02	1	0	1	Nil	Nil

Learning Objectives

The objective of this course is Rasānubhūti in texts prescribed in the syllabus.

Learning outcomes

After the completion of this course the students will:

- able to identify the Vibhāva, Anubhāva and Sañcāribhāva in prescribed texts of syllabus.
- able to identify the Sthāyibhāva in prescribed texts of syllabus.
- able to realise the rasa.

Detailed Syllabus

Unit: I

Hour 15

Identifying the Vibhāva and Anubhāva in the texts prescribed in the syllabus.

Unit: II

Hour 15

Identifying the Sthāyibhāva and Sañcāribhāva in the texts prescribed in the syllabus.

Practical Activities:

- Rasa Identification Through Example Verses
- Emotion-to-Rasa Chart Creation
- Scene Enactment (Abhinaya Practice)
- Rasa in Music / Dance Demonstration
- Rasa in Modern Media Exercise
- Śloka-to-Emotion Transformation Exercise

Essential/Recommended Readings/Texts

Essential Reading:

1. नगेन्द्र – रससिद्धान्त, मयूर पेपर बैक्स, नोएडा।
2. Raghavan V. - The Number of Rasas, The Adyar Literary and Research Centre, Madras.
3. उपाध्याय, बलदेव - भारतीयसाहित्यशास्त्र, चौखम्बा प्रकाशन, वाराणसी
4. कृष्णकुमार - अलंकारशास्त्र का इतिहास, साहित्य भण्डार, मेरठ
5. De, S.K. - History of Sanskrit Poetics, K.L. Mukhopadhyay, Calcutta
6. Kane, P.V. - History of Sanskrit Poetics, MLBD, Delhi

Additional Readings:

1. ‘हीरा’ राजवंश सहाय – अलङ्कारों का ऐतिहासिक विकास, बिहार हिन्दी ग्रन्थ अकादमी, पटना।
2. चौधरी सत्यदेव - काव्यशास्त्र के परिदृश्य, परिमल पब्लिकेशन्स, दिल्ली।
3. Raghavan V. and Nagendra - An Introduction to Indian Poetics, Macmillan and Company Limited, Madras.
4. Raghavan, V. - Studies on Some Concepts of Alamkāraśāstra, Adyar Library, Madras

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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SBC-4: AI Tools for Research & Teaching in Sanskrit

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
AI Tools for Research & Teaching in Sanskrit	02	1	0	1	Nil	Nil

Learning Objectives

This course aims to familiarize students with AI tools, particularly chatbots, for research and teaching in Sanskrit. It provides foundational knowledge of general-purpose and domain-specific chatbots, emphasizing prompt engineering for effective interaction. Students will explore advanced applications like text analysis, translation, and multimedia generation, addressing challenges and ethical considerations. The course equips learners to harness AI tools for Sanskrit language pedagogy, research, and visualization.

Learning outcomes

By the end of this course, students will be able to:

1. Understand the functioning and types of general-purpose and domain-specific chatbots.
2. Develop effective prompts for interacting with AI tools for Sanskrit-specific tasks.
3. Utilize AI tools for text analysis, transliteration, translation, and summarization in Sanskrit.
4. Integrate multimedia tools like image and video generation into Sanskrit teaching and research.
5. Identify and address challenges, including ethical and technical issues, in using AI tools for Sanskrit.

Detailed Syllabus

Unit: I

Hour 15

General Purpose Chatbots

- **Introduction to Chatbots:**
 - Overview of Chatbots and Their Types
 - Evolution of Chatbots in AI
- **Prompt Engineering:**
 - Fundamentals of Prompt Engineering for AI Interaction
 - Crafting Effective Prompts for Sanskrit Language Tasks
- **General-Purpose Chatbots:**
 - Capabilities and Limitations of Chatbots like ChatGPT, Bard, and others
 - Hands-On Practice with General-Purpose Chatbots for Sanskrit Applications:

- Translation
- Grammar Assistance
- Presentation
- Teaching Pedagogy Design
- **Challenges in Chatbot Use:**
 - Ethical Concerns in Chatbot Usage
 - Accuracy and Reliability Issues with Sanskrit Texts

Unit: II**Hour 15****General Purpose Chatbots and Advanced AI Tools**

- Domain Specific Chatbots:
 - Chatbots for Sanskrit Research: Analyzing Scholarly Texts and Manuscripts
 - Chatbots for Sanskrit Teaching: Customized Lesson Plans and Assessments
 - AI Tools for Knowledge Discovery in Sanskrit Śāstras
- Multimedia and Visualization Tools:
 - AI for Generating Sanskrit Visual Content:
 - Image Generation for Teaching Materials
 - Video Creation for Sanskrit Instruction
 - Interactive Platforms for Sanskrit-Based Learning Modules
- AI in Research Applications:
 - AI-Powered Summarization Tools for Sanskrit Texts
 - Tools for Citation Management and Research Organization
- Challenges in Domain-Specific AI Tools:
 - Ensuring Contextual Relevance for Sanskrit
 - Data Privacy and Ethical Issues in AI-Assisted Research

Practical Activities:

- Generate a glossary for a Sanskrit śloka using different prompt structures.
- Design a Prompt-Based Assistant for Sanskrit Grammar Pedagogy
- Develop a text summarizer for Sanskrit language

Essential/Recommended Readings/Texts:

1. Russell, S. & Norvig, P. (2021). *Artificial Intelligence: A Modern Approach* (4th ed.). Pearson.
2. Floridi, L. (2019). *The Logic of Information: A Theory of Philosophy as Conceptual Design*. Oxford University Press.
3. OpenAI. (2023). *ChatGPT Prompt Engineering Guide* (online resource).
4. Kalyan, A. (2024). Harnessing Large Language Models for Sanskrit Studies. *Journal of Indian Knowledge Systems Studies*, 3(2), 55–72.
5. Goyal, P., Huet, G., Kulkarni, A., Scharf, P. (2012). Digital Resources for Sanskrit: A State-of-the-Art Report. *Language Resources and Evaluation*, 46(4), 601–622.
6. Kannan, R. (2023). *Artificial Intelligence for Indian Languages: Challenges and Opportunities*. *Indian Journal of Linguistics and AI Studies*, 1(1), 33–49.
7. Bhate, S. & Deshpande, M. (2019). *Computational Sanskrit: Emerging Paradigms in Knowledge Systems*. Indian Institute of Technology, Kharagpur.

8. Sinha, A. (2024). *Ethical Dimensions of AI in Indian Knowledge Systems Research*. *Journal of Indic Studies*, 5(1), 22–39.
9. Jain, M. (2022). *Machine Learning for Sanskrit Text Mining: A Practical Introduction*. *Proceedings of the Indian NLP Conference (INLP)*.
10. UNESCO. (2022). *Ethics of Artificial Intelligence in Education*.

E Tools-

<https://cl.sanskrit.du.ac.in/#>

<https://sanskrit.jnu.ac.in/index.jsp>

<https://sanskrit.uohyd.ac.in/scl/>

<https://sanskrit.inria.fr/>

<https://www.sanskritworld.in/pages/detail/pagename/about-us>

<https://sanskritlibrary.org/index.html>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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SBC-4: Web Publishing for Sanskrit Texts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Web Publishing for Sanskrit Texts	02	1	0	1	Nil	Nil

Learning Objectives

This course introduces the foundational concepts and tools of front-end web development. Students will learn to create responsive and user-friendly websites using HTML, CSS, and JavaScript. Emphasis is placed on understanding the structure of web pages, styling them effectively, and adding interactivity through dynamic scripting. The course is designed to equip students with the practical skills necessary for building modern, aesthetically pleasing web interfaces.

Learning outcomes

By the end of this course, students will be able to:

1. Understand the basic principles and structure of front-end development.
2. Use HTML to create well-structured web pages.
3. Apply CSS to style web pages and improve their visual appeal.
4. Integrate JavaScript to add dynamic functionality and interactivity to websites.
5. Build and deploy responsive web interfaces suitable for various devices.

Detailed Syllabus

Unit: I

Hour 15

Basics of HTML

- Introduction to web development and front-end technologies.
- Understanding HTML structure and syntax.
- Common HTML elements: headings, paragraphs, lists, tables, and forms.
- Adding images, links, and multimedia to web pages.

Unit: II

Hour 15

Fundamentals of CSS and JavaScript

- CSS
 - CSS
 - Basics of CSS: Syntax, selectors, and properties.
 - Inline, internal, and external styling.
 - Box model, positioning, and layout techniques.
 - CSS frameworks: Introduction to Bootstrap.

- JavaScript
 - Introduction to JavaScript: Syntax and variables.
 - Functions, events, and DOM manipulation.
 - Adding interactivity to web pages using JavaScript.
 - Basics of debugging and error handling in JavaScript.

Practical Activities:

- Develop a small static website hosting one Sanskrit text
- Create an interactive Sanskrit Verse Explorer website
- Design a multi-section page for a Sanskrit text- title, author, introduction, verses, and translation

Essential/Recommended Readings/Texts

1. W3C. HTML5 Specification. World Wide Web Consortium, 2023. <https://www.w3.org/TR/html52/>
2. W3C. CSS Cascading Style Sheets Level 3 (CSS3). World Wide Web Consortium, 2023. <https://www.w3.org/Style/CSS/>
3. W3C. Internationalization Techniques: Authoring HTML & CSS. World Wide Web Consortium, 2024. <https://www.w3.org/International/>
4. W3C. Indic Layout Requirements. World Wide Web Consortium, 2022. <https://www.w3.org/TR/ilreq/>
5. Mozilla Developer Network (MDN). HTML: Hypertext Markup Language. MDN Web Docs, 2024. <https://developer.mozilla.org/en-US/docs/Web/HTML>
6. Mozilla Developer Network (MDN). CSS: Cascading Style Sheets. MDN Web Docs, 2024. <https://developer.mozilla.org/en-US/docs/Web/CSS>
7. Mozilla Developer Network (MDN). JavaScript Guide. MDN Web Docs, 2024. <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide>
8. W3Schools. HTML Tutorial. W3Schools, 2024. <https://www.w3schools.com/html/>
9. W3Schools. CSS Tutorial. W3Schools, 2024. <https://www.w3schools.com/css/>
10. W3Schools. JavaScript Tutorial. W3Schools, 2024. <https://www.w3schools.com/js/>
11. Bootstrap Team. Bootstrap Documentation. v5.3, 2024. <https://getbootstrap.com/docs/5.3/>
12. WordPress.org. WordPress Documentation. WordPress Foundation, 2024. <https://wordpress.org/support/>
13. Drupal.org. Drupal User Guide. Drupal Association, 2024. <https://www.drupal.org/docs/>
14. Unicode Consortium. The Unicode Standard: Devanagari and Indic Scripts. Version 15.0, 2023. <https://unicode.org>
15. Google Fonts. Noto Fonts (Devanagari and Other Indic Scripts). Google, 2024. <https://fonts.google.com/>
16. TDIL (Technology Development for Indian Languages). Indian Language Tools and Resources. MeitY, Govt. of India, 2024. <https://www.tdil-dc.in>
17. CDAC GIST. Indian Language Computing Solutions. Centre for Development of Advanced Computing, 2024. <https://www.cdac.in>
18. Kumar, Sandeep. Web Development and Design Foundations with HTML5. Pearson, 2022.
19. Duckett, Jon. HTML and CSS: Design and Build Websites. Wiley, 2011.
20. Duckett, Jon. JavaScript & jQuery: Interactive Front-End Web Development. Wiley, 2014.
21. Freeman, Eric, and Elisabeth Robson. Head First HTML and CSS. 2nd ed., O'Reilly Media, 2012.

22. Niederst Robbins, Jennifer. Learning Web Design. 5th ed., O'Reilly Media, 2018.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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SBC-4: Advanced Acting Skills based on Nāṭyaśāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Advanced Acting Skills based on Nāṭyaśāstra	02	1	0	1	Nil	Nil

Learning Objectives

The course aims to:

- Provide advanced practical training in the fourfold Abhinaya (Āṅika, Vācika, Āhārya, Sāttvika).
- Develop mastery over body coordination, gesture precision, and stage movement as prescribed in Nāṭyaśāstra.
- Train students in effective Sanskrit dialogue delivery with voice modulation and emotional authenticity.
- Enable experiential understanding of Rasa–Bhāva theory through performance practice.
- Prepare students for classical and contemporary stage applications.

Learning outcomes

By the end of this course, students will be able to:

1. Demonstrate coordinated use of aṅga, pratyanga, and upāṅga in acting.
2. Apply sthāna, cārī, maṇḍala, and hasta-mudrā appropriately in performance.
3. Deliver Sanskrit dramatic passages with correct pronunciation, rhythm, and emotional nuance.
4. Transform sthāyibhāva into aesthetic rasa through stage enactment.
5. Integrate classical dramaturgical theory with practical theatrical performance.
6. Critically evaluate acting performances using Nāṭyaśāstra parameters.

Detailed Syllabus

Unit: I

Hour 15

Advanced Techniques of Abhinaya

Detailed practice of Āṅika Abhinaya

- Aṅga–Pratyanga–Upāṅga coordination
- Sthānas, Cārīs, Maṇḍalas
- Hasta-mudrā application
- Gati and character-based movement

Detailed practice of Vācika Abhinaya

- Voice culture and breath control
- Sanskrit pronunciation and metrical recitation

- Dialogue delivery from classical Sanskrit drama

Vācika Abhinaya

- Voice culture and breath control
- Sanskrit pronunciation and metrical recitation
- Dialogue delivery from classical Sanskrit drama

Introduction to Sāttvika Abhinaya

- Controlled emotional expression
- Internalization of Bhāvas

Unit: II

Hour 15

Rasa Realization and Stage Performance

- Application of Rasa in acting
- Bhāva–Rasa transformation process
- Portrayal of major Rasas (Śṛṅgāra, Vīra, Karuṇa, Raudra, etc.)
- Character embodiment techniques
- Basic Āhārya elements (costume symbolism, minimal props)
- Blocking, spatial awareness, and ensemble coordination
- Final short performance (Individual/Group)

Practical Activities:

- Āṅgika Practice: Individual correction of posture, movement (sthāna, cārī, maṇḍala), and hasta-mudrā execution.
- Voice and Dialogue Clinic: Personalized training in Sanskrit pronunciation, metrical recitation, breath control, and emotional modulation.
- Rasa Improvisation Exercises: Guided practice in bhāva internalization and controlled transition toward rasa realization.
- Scene Rehearsal and Blocking: Supervised rehearsal of selected dramatic scenes with focus on timing, spatial awareness, and ensemble coordination.
- Reflective Performance Review: Peer discussion and analytical feedback based on Nāṭyaśāstra principles to strengthen theory–practice integration.
- Audio-Visual Recording & Feedback
- Peer Review and Reflective Practice

Essential/Recommended Readings/Texts

1. Rangacharya, Adya (trans.). The Nāṭyaśāstra of Bharata. Munshiram Manoharlal, 1996.
2. Vatsyayan, Kapila. Classical Indian Dance in Literature and the Arts. Sangeet Natak Akademi, 1992.
3. Ghosh, Manomohan (ed.). Nandikeśvara's Abhinaya Darpanam.
4. द्विवेदी. पारसनाथ. सम्पादक,, नाट्यशास्त्र अभिनवभारती सहित. सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2001
5. गुन्देचा, संगीता. नाट्यदर्शन. संगीत नाटक अकादमी, नई दिल्ली, 2023.
6. माथुर, जगदीशचन्द्र. परम्पराशील नाट्य. बिहार राष्ट्रभाषा परिषद्.
7. परमार, श्याम. लोकधर्मी नाट्यपरम्परा. हिन्दी प्रचारक पुस्तकालय.
8. शर्मा, शैलेन्द्र कुमार. मालवा का लोक नाट्य माच और अन्य विधाएँ. अंकुर मंच, उज्जैन.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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SBC-4: Horoscope with Lāla Kitāba

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Horoscope with Lāla Kitāba	02	1	0	1	Nil	Nil

Learning Objectives

Learn the fundamental principles and concepts of Lal Kitab astrology. Analyze planetary positions and their impact on various aspects of life. Predict outcomes based on Lal Kitab principles, including remedies and solutions. Apply Lal Kitab remedies, such as gemstones, mantras, and rituals, to mitigate negative effects. Develop skills to make accurate predictions and provide guidance using Lal Kitab principles, enabling students to help individuals navigate life's challenges.

Learning outcomes

By the end of this course, students will be able to:

1. Understanding of Lal Kitab Principles: Students will demonstrate a thorough understanding of Lal Kitab principles and their application in astrology.
2. Ability to Analyze Planetary Positions: Students will be able to analyze planetary positions and their impact on various aspects of life, including career, relationships, and health.
3. Predictive Skills: Students will develop skills to make accurate predictions based on Lal Kitab principles, including identifying potential challenges and opportunities.
4. Application of Remedies: Students will be able to apply Lal Kitab remedies, such as gemstones, mantras, and rituals, to mitigate negative effects and enhance positive outcomes.
5. Practical Application of Lal Kitab: Students will be able to apply Lal Kitab principles in real-world scenarios, providing guidance and solutions to individuals seeking astrological advice.

Detailed Syllabus

Unit: I

Hour 15

लाल किताब और वैदिक ज्योतिष परम्परा का अन्तःसम्बन्ध, लाल किताब परम्परा में ग्रह , ग्रहों के देवता, ग्रहों के स्त्री पुरुष भेद, ग्रहों के वर्ण , कुण्डली निर्माण, ग्रहों से सम्बन्धित वस्तुएं, ग्रहों का सामाजिक व पारिवारिक सदस्यों से सम्बन्ध ।

Unit: II

Hour 15

लाल किताब में ऋण विचार, भाव विचार, नवग्रह एवं भावफल कथन, ग्रहों की अवस्थाएं, लाल किताब के उपायों तथा ज्योतिषशास्त्रीय उपायों का अन्तःसम्बन्ध ।

Practical Activities:

- Birth Chart Construction Workshop
- House Signification Mapping
- Planet Study in Lāl Kitāb Context
- Focus on Dosh (Planetary Imbalance) Recognition
- Role-Play Sessions (Astrologer & Client)

Essential/Recommended Readings/Texts

1. सामुद्रिक की लाल किताब (प्रथम भाग 1952) , पंडित रूप चन्द्र जोशी, हिमाचल पब्लिकेशन्स, उत्तर प्रदेश, 2012
2. सामुद्रिक की लाल किताब के फरमान(1939),पंडित रूप चन्द्र जोशी, दैवज्ञ पं० वेणीमाधव गोस्वामी, हिमाचल पब्लिकेशन्स, उत्तर प्रदेश , 2021
3. सामुद्रिक की लाल किताब के अरमान(1940),पंडित रूप चन्द्र जोशी, दैवज्ञ पं० वेणीमाधव गोस्वामी, हिमाचल पब्लिकेशन्स, उत्तर प्रदेश , 2021
4. सामुद्रिक की लाल किताब (1941), पंडित रूप चन्द्र जोशी, दैवज्ञ पं० वेणीमाधव गोस्वामी , हिमाचल पब्लिकेशन्स , उत्तर प्रदेश , 2010
5. इल्मे सामुद्रिक की लाल किताब (1942), पं० उमेश शर्मा, पं० लक्ष्मीकान्त वशिष्ठ, मुद्रित प्रकाशन , नई दिल्ली, 2010

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

SBC-4: Reading Skills in Grantha Scripts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Reading Skills in Grantha Scripts	02	1	0	1	Nil	Nil

Learning Objectives

This paper aims to help students understand the basic forms and features of the Grantha script and learn how to read simple letters and words written in it. The course gives easy practice in identifying characters, reading short passages and doing basic transcription and transliteration of manuscripts. Through simple exercises and examples, students build confidence in using the Grantha script and prepare for further study of South Indian writing traditions.

Learning Outcomes

By the end of this course, students will be able to:

- Recognize basic letters and signs of the Grantha script.
- Read simple words and short passages written in Grantha.
- Perform basic transcription and transliteration into modern scripts.
- Identify simple manuscript and inscription samples in Grantha.
- Build confidence for further study of South Indian scripts and texts.

Unit-wise Syllabus

UNIT I: Basics of Grantha Script

Hours-15

- Introduction to Grantha
- Main letters and their forms
- Simple signs and common combinations

UNIT II: Reading Practice of Manuscripts

Hours-15

- Reading simple words and short passages
- Basic transcription and transliteration in manuscripts
- Practice with easy Grantha samples

Practical Activities

- Reading and Writing of basic forms of Grantha script
- Study of letter evolution and palaeographic features
- Knowledge of vowel and consonant formations
- Practice of reading simple inscriptions and manuscripts
- Learning of decipherment techniques and transliteration

Essential/Recommended Readings/Texts

Essential Readings:

1. Gai, G.S. Introduction to Manuscriptology. Central Institute of Indian Languages, Mysuru, 1996.
2. Ganeshan, T. Grantha Script: A Manual. National Mission for Manuscripts, New Delhi, 2010.
3. Mahadevan, I. Early Tamil Inscriptions: From the Earliest Times to the 6th Century CE. Central Institute of Classical Tamil, Chennai, 2003.
4. National Mission for Manuscripts. Scripts of India Series: Grantha. NMM, New Delhi, 2012.
5. Nilakanta Sastri, K.A. South Indian Inscriptions.
6. Ramanathan, N. Indian Paleography. Tamil University, Thanjavur, 1986.
7. Sreekumar, S. A Primer in Grantha Script. Rashtriya Sanskrit Sansthan, New Delhi, 2004.
8. Subramanian, T.N. South Indian Epigraphy. S. Chand & Co., New Delhi, 1966.
9. Vatsyayan, Kapila (Ed.). Manuscriptology and Textual Criticism. Indira Gandhi National Centre for the Arts (IGNCA), New Delhi, 1998.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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Detailed Syllabus

Structure 2 (Level 6.5): PG Curricular Structure with Coursework + Research

Total: 44 Credits

Semester III

Credit 22

1. Discipline Specific Course (DSC): Total 02

DSC-7: Research Methodology in Sanskrit

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Methodology in Sanskrit	04	3	1	0	Nil	Nil

Learning Objectives

This course is designed to develop a robust understanding of the fundamental concepts and principles of research methodology, particularly as they relate to Sanskrit studies. It aims to train students in the art of selecting, formulating, and critically analyzing research problems drawn from various branches of Sanskrit, including literature, linguistics, philosophy, and manuscriptology. Learners will be equipped to conduct comprehensive reviews of both classical and contemporary literature, making effective use of bibliographic tools, digital repositories, and specialized databases necessary for thorough Sanskrit research. The course provides practical training in data collection, collation, critical editing, annotation, and interpretation of Sanskrit texts, extending to the handling of unpublished manuscripts. It further emphasizes developing essential skills for organizing, writing, and presenting scholarly work in clear and structured formats, encompassing theses, research papers, and seminar reports, and familiarizes students with the use of modern writing and reference management tools such as LaTeX, Mendeley, and Zotero. Through this integrated framework, the course intends to prepare students for advanced academic inquiry and quality research dissemination in the field of Sanskrit.

Learning Outcomes

Upon successful completion of this course, learners will gain a comprehensive understanding of foundational research principles as they apply to Sanskrit studies, enabling them to critically select and formulate research questions relevant to diverse fields such as Sanskrit literature, linguistics, philosophy, and manuscriptology.

Students will demonstrate the capacity to conduct thorough reviews of both primary and secondary literature, effectively utilizing bibliographic and digital research tools. They will be adept at applying methodologies for gathering, collating, critically editing, and annotating Sanskrit texts, including handling unpublished manuscripts. Additionally, the course will equip learners to organize and present scholarly research in structured academic formats—such as theses, research articles, and seminar reports—while also cultivating proficiency in integrating classical research methods with contemporary digital humanities approaches. Throughout, students will develop strong skills in communicating their findings clearly in academic settings, thereby contributing meaningfully to and upholding research standards within the field of Sanskrit scholarship.

Detailed Syllabus

Unit: I

Hours: 11

Theoretical Concept of Research

- General introduction of research and objective of the research
- Types of research in Sanskrit pedagogy (Analytical, Applied, Critical, Comparative, Descriptive, Fundamental, Historical, Quantitative, Qualitative)
- Outline of Research Work and Research Major Area of Research Selection
- Objectives and importance of research in Sanskrit studies
- Selection of research area and formulation of research problems
- Structuring research: outline development and scope delimitation

Unit: II

Hours: 11

Survey of Literature

- Importance of literature review in research.
- Techniques for surveying classical and contemporary Sanskrit literature.
- Locating relevant manuscripts, editions, critical studies, and digital resources.
- Use of bibliographic tools, catalogues, and databases such as Google Scholar, Wiki, Shodhganga, Sanskrit-Shodhsindhu (<https://cl.sanskrit.du.ac.in>), various university libraries, and websites.
- Building a framework for identifying research gaps and contextualizing the research problem.

Unit: III

Hours: 11

Research Tools

- Data collection methods in Sanskrit research: textual sources, surveys, manuscript studies
- Techniques for data collection, editing, and Referencing Sanskrit texts
- Brief Introduction to Microsoft Office Tools like Word, PowerPoint Presentation, etc.
- Use of computational tools and software in data collection, transliteration standards (IAST), and plagiarism checks.

Unit: IV

Hours: 12

Research Writing and Presentation

- Methodologies for writing dissertations/theses, research papers, book reviews, and articles, and seminar reports,
- Structure of dissertations/theses, research papers and book reviews
- Reference management and citation styles (MLA, APA, IEEE, Chicago etc)
- Ethics in research, proofreading, and publication requirements

Tutorial Activities

- Research gap identification
- Survey of researches
- Data Collection
- Transliteration
- Research Paper Writing
- Book review
- Citation and referencing practice
- Group discussion
- Paper presentation

Essential/Recommended Readings/Texts

Essential Readings:

1. C.R. Kothari, Research Methodology
2. Patwardhan, M.R. *Research Methodology in Social Sciences*.
3. Sukthankar, Vishnu S. *Critical Edition Techniques in Sanskrit Texts*.
4. Mukherjee, Sujit. *The Historical Method in Sanskrit Studies*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSC-8: Origin and Development of Indian Linguistics

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Origin and Development of Indian Linguistics	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce the students to some important concepts and theories of philology and modern Linguistics and help them observe and analyse the Sanskrit language in their light. The paper will familiarise the learners with Sanskrit phonology, morphology, syntax and semantics.

Learning outcomes

After the completion of the course, the students will:

- be able to observe and analyse the Sanskrit language with reference to the developments that have taken place with the advent of modern linguistics.
- understand the basic concepts of historical linguistics and will know the rules of language change and their application in Sanskrit.
- understand the important causes and directions of phonetic change and semantic change with reference to Sanskrit.

Detailed Syllabus

Unit: I

Hours: 12

Origin and Development of Indian Linguistics

Linguistics Elements in the Vedic Literature

Word-for-word recitation, Padapāṭhas

Vedāṅgas: including phonetics, metrics, grammar, and etymology.

Pāṇini: Asthdayi & Paniniya Shiksha

Modern Developments:

Language documentation, language revitalization, sociolinguistics, comparative linguistics, and Computational Linguistics

Important aspects of Indian Linguistics

Phonetics and Phonology (sounds)

Morphology (word structure)

Syntax (sentence structure)

Semantics (Meaning)

Unit: II

Hours: 11

Classification of Languages:

Typological classification & Genetic classification

Vedic Sanskrit and Avesta.

Classical Sanskrit, Pali, Prakrit, and Apabhraṃśa.

Unit: III**Hours: 12**

Basic Concepts of Sanskrit Phonetics

Classification of Sanskrit Sounds

Place of Articulatory and Acoustic Phonetics

Speech production

Reasons and Directions of Sound Changes

Major Phonetics Laws: Grimm's law, Grassmann's law, Verner's law, Talavva Law, Murdhanta Law

Applications for Sanskrit Phonetics: Speech Technology

Semantics Changes

Reasons and Directions of Semantics Changes

Unit: IV**Hours: 10**

Sanskrit Computational Linguistics

Introduction to Sanskrit Computational Linguistics (SCL)

Areas of Sanskrit Computational Linguistics:

Speech Technology,

Language Analysis/Text Processing,

Artificial Intelligence

Text Preservation and Search, Machine Translation

Tutorial Activities

- Linguistics Analysis of Sanskrit Morphology
- Survey of Sanskrit Linguistics
- Survey of Computational Linguistics
- Group Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. तिवारी, भोलानाथ तुलनात्मक भाषाविज्ञान, मोतीलाल बनारसीदास, दिल्ली, 1974
2. तिवारी, भोलानाथ भाषाविज्ञान, किताब महल, इलाहाबाद, 1992
3. व्यास, भोलानंकर संस्कृत का भाषाशास्त्रीय अध्ययन, चौखम्बा विद्याभवन, 1957
4. Burrow, T., Sanskrit Language (also trans. into Hindi by Bholashankar Vyas), Chaukhamba Vidya Bhawan, Varanasi, 1991
5. Crystal, David The Cambridge Encyclopedia of Language, Cambridge, 1997
6. Gune, P.D. Introduction to Comparative Philology, Chaukhamba Sanskrit Pratisthan, Delhi, 2005.
7. Subhash Chandra (2021). भाषासंगणन (Language Computing), Upasana Publications, New Delhi, India, ISBN: 978-93-87677-05-0.
8. Subhash Chandra (2017). मशीनी अनुवाद (Machine Translation) यूजीसी सीबीसीएस स्क्रीम के तहत बीए (संस्कृत) के एईईसी (AEEC)-3 के पाठ्यक्रम पर आधारित. Vidya Nidhi Prakashana, New Delhi, India, ISBN 978-93-85539-52-

Additional Resources:

1. Gosh, B.K. Linguistic Introduction to Sanskrit, Sanskrit Pustak, Calcutta, 1977
2. Jespersen, Otto Language: its Nature, Development and Origin, George Allen & Unwin, London, 1954

3. Murti, M. Srimannarayana An Introduction to Sanskrit Linguistics, D.K. Publication, Delhi, 1984
4. Taraporewala Elements of the Science of Language, Calcutta University Press, Calcutta, 1962

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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2. Discipline-Specific Elective (DSE): Any 02 from pool Credits 04+04+04=12**DSE-05: Nirukta & Bhāradwāja Śrautasūtra****Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Nirukta & Bhāradwāja Śrautasūtra	04	3	1	0	Nil	Nil

Learning Objectives

The course provides an understanding of Vedic deities, especially through the science of etymology propounded by Yāska in Nirukta. The course also exposes the students to the various forms of sacrificial and ritualistic aspects pertaining to the life of Vedic Āryans. A short portion of the Bhāradwāja-Śrautasūtra is prescribed in the course to give an idea of the great ceremonial acts visualized by our ancient seers.

Learning outcomes

After completion of this course, the students:

- will be able to express the ancient Indian science of etymology as depicted in Nirukta.
- will be able to realize ancient ideas of linguistics and the original form of Divinities.
- will be able to form a basic idea of the vast ritualistic life of the Vedic people.
- will know the symbolic meanings of the religious activities described in the Vedic literature.
- will be able to differentiate among Yajñas according to the Śrauta literature.

Detailed Syllabus

Unit: I	Hours: 11
Nirukta, Chapter - IV	
Unit: II	Hours: 12
Nirukta, Chapter - VIII	
Unit: III	Hours: 11
Nirukta, Chapter - IX	
Unit: IV	Hours: 11
Bhāradwāja Śrautasūtra, Praśna VI, 15-18	

Tutorial Activities

- Doubt solving classes.
- Development of writing and reading skills in Sanskrit.
- Learning the etymology of Vedic Words e.g. Jaha, Suvite, Aditi, Dravinoda, Apri, Asva, Manduka etc.

- Learning the detailed description regarding Charu, Purodasha, Agrayanesti, Krsnajina, Prakrti Yajna etc.

Essential/Recommended Readings/Texts

Essential Readings:

1. निरुक्तम् (कश्यपप्रजापतिकृत-निघण्टुभाष्यरूपम्), पं. मुकुन्द झा बख्शी, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली, २०१२
2. निरुक्तम्, व्याख्याकार, श्री छज्जुराम शास्त्री विद्यासागर, मेहरचन्द लछमनदास पब्लिकेशन्स, दिल्ली, २०१२
3. निरुक्त-यास्क, दैवतकाण्ड ७-१२, (सम्पादक) सीतारामशास्त्री, परिमल पब्लिकेशन्स, दिल्ली, १९९५
4. निरुक्तम्, सम्पादक, डॉ. उमाशंकर शर्मा 'ऋषि', चौखम्बा विद्याभवन, वाराणसी, २०११
5. Nirukta with Nighantu with Durga's comm. (Ed.) by R.G. Bhandarkar, BORI, Poona, 1942.
6. Nirukta (Ed.) with English Trans. by Lakshman Sarup, M.L.B.D., Delhi, 1984.
7. Nirukta, Yaska (Ed.), V.K. Rajwade, BORI, Poona, 1993. 6. Sutras of Bharadwaja, Edited and Translated by C. G. Kashikar, Vaidika Samsodhana Mandala, Pune, 2003 Page 61 of 218

Additional Resources:

1. द्विवेदी मनोहरलाल, कात्यायनयज्ञपद्धति-विमर्श, राष्ट्रिय संस्कृत संस्थान, नई दिल्ली, २०१०
2. शास्त्री, शिवनारायण - निरुक्त-मीमांसा, दिल्ली, १९६९
3. धर्मशास्त्र का इतिहास, मूल लेखक, भारतरत्न डॉ. पी वी काणे, अनुवादक, अर्जुन चौबे काश्यप, उत्तर प्रदेश हिन्दी संस्थान, लखनऊ, २०१४
4. Kane, P.V. - History of Dharmashastra, BORI, Poona, 1930
5. Mahendale, M.A. - Nirukta Notes, Deccan College, Poona, 1965

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Sarvadarśanasamgraha

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sarvadarśanasamgraha	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to present the Philosophical values of Cārvāka, Buddhism, Jainism, and Pūrṇaprajña philosophy as depicted in Madhvacharya's Sarvadarśanasamgraha. The course especially highlights these scriptures as the knowledge domains of the elements of ontology, epistemology, ethics, and their development as a system of Indian philosophy.

Learning outcomes

After the completion of this course, the students will:

- Be able to acquire the knowledge of various philosophical thoughts as reflected in the prescribed texts.
- Be able to understand and explain the conceptual terms therein.
- Be able to compare the thoughts with the main schools of Indian philosophy.
- Be able to understand and explain the prescribed texts.
- Be able to apply their knowledge in day-to-day practical life for the peace, harmony, and welfare of humanity.

Detailed Syllabus

Unit: I	Hours: 11
Cārvāka Darśana	
Unit: II	Hours: 11
Bauddha Darśana	
Unit: III	Hours: 11
Jaina Darśana	
Unit: IV	Hours: 12
Pūrṇaprajña Darśana	

Tutorial Activities

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study

- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension

Essential/Recommended Readings/Texts

1. माधवाचार्य. *सर्वदर्शनसंग्रह*. व्याख्याकार: उमाशंकर शर्मा ऋषि, चौखम्बा विद्याभवन, वाराणसी, 1964.
2. माधवाचार्य. *सर्वदर्शनसंग्रह*. व्याख्याकार: जनार्दन प्रसाद राटाटे, चौखम्बा विद्याभवन, वाराणसी, 2019
3. Mādhavācārya. *Sarvadarśanasangraha*. Edited by Madan Mohan Agrawal, Chaukhamba Surabhārati Prakashan, Delhi. 2002
4. Mādhavācārya. *Sarvadarśanasangraha*. Translated by E. B. Cowell and A. E. Gough, Motilal Banarsidass, Delhi. 1882

Additional Resources

1. शर्मा, चन्द्रधर. *भारतीय दर्शन: आलोचन और अनुशीलन*. मोतीलाल बनारसीदास, दिल्ली, 2004.
2. नरेन्द्रदेव, आचार्य. *बौद्ध धर्म-दर्शन*. मोतीलाल बनारसीदास, दिल्ली, 2015
3. उपाध्याय, बलदेव. *बौद्ध दर्शन*. शारदा मन्दिर, बनारस, 1946
4. जैन, महेन्द्र कुमार. *जैन दर्शन*. जैन ग्रन्थमाला, वाराणसी, 1966
5. Dasgupta, S. N. *History of Indian Philosophy*. Vols. I–V, Motilal Banarsidass, Delhi, 1975.
6. Radhakrishnan, S. *Indian Philosophy*. Vols. I–II, George Allen & Unwin, London, 1933.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Íśvarapratyabhijñākārikā-I

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Íśvarapratyabhijñākārikā-I	04	3	1	0	Nil	Nil

Learning Objectives

Kashmir Shaivism is one of the most profound philosophical and spiritual traditions of the Indian knowledge system that emerged in the Kashmir region. This course offers an in-depth study of the philosophy of Kashmir Shaivism, focusing on its metaphysical, epistemological, and cosmological concepts on the basis of the primary texts, philosophical debates, and contemporary readings. Students will explore this non-dualistic philosophy that presents a world view from the tantric perspective.

Learning outcomes

By the end of the course, students will be able to:

- Explore the historical development and key figures like Abhinavagupta and Vasugupta within Kashmir Shaivism.
- Understand the philosophical foundations of Kashmir Shaivism.
- Analyze key texts and doctrines within the Kashmir Shaivism tradition.
- Explore the contemporary relevance and influence of Kashmir Shaivism in modern spiritual practices.

Detailed Syllabus

Unit: I	Hours: 11
Kriyādhikāra I & II	
Unit: II	Hours: 11
Kriyādhikāra III & IV	
Unit: III	Hours: 11
Āgamādhikāra Adhyāya I	
Unit: IV	Hours: 12
Āgamādhikāra Adhyāya II	

Tutorial Activities

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study

- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. Abhinavagupta, Bodhapanchadashika (English Translation), Ishvara Ashram Trust, 2006
2. Abhinavagupta, Bodhapanchadashika, Kashmir Text Series, Kashmir, 1947
3. Abhinavagupta, Ishvarapratyabhijnnavivritivimarshini, (edi.) Madhusudana Kaul Shastri, Vol. I & II, Kashmir, 1941
4. Abhinavagupta, Shri Shri Paratrishikavivarana with Vivriti (Hindi Translation), Nilakantha Gurtu, Motilal Banarsidass Publisher Private Limited, Delhi, 1985
5. Abhinavagupta, Sritantraloka with Viveka by Jayaratha, Vol. I, II, III, IV, V, VI, VII, VIII Sampurnananda Samskrit Vishvaadidyalaya, Varanasi, 2000.
6. Abhinavagupta, Bhashkari of Ishvarapratyabhijnnavimarshini, Vo. I, II, III Sampurnanda Sanskrit Vishwavidyalaya, Varanasi, 1998
7. Abhinavagupta, Tantrasara, Vo. I,II, Chaukhamba Surabharati Prakashan, Varanasi, 2000
8. Ishvarapratyabhijnakarika of Utpaladeva: Verses on the Recognition of the Lord, Motilal Banarsidass Publisher Private Limited, Delhi, 2004
9. Utpaladeva, Siddhitrayi, K.S.S, Kashmir, 1917.

Additional Resources:

1. Baumar, Bettina, Abhinavagupta's Hermeneutics of the Absolute Anuttaraprakriya: An Interpretation of his Paratrishika Vivarana, D.K. Print World LTD., New Delhi, 2011
2. Bhattacharya, N.N., History of the Tantric Religion, A Historical, Ritualistic @ Philosophical Study, Munshiram Manoharlal Publications, New Delhi, 1982
3. Brajballabha Dwivedi, Tantragamiya Dharma Darshan, Vol. I & II, Shivabharati Sodha Pratishthan, Varanasi, 2001
4. Deshpande, G.T., Abhinavagupta, Sahitya Akademi, New Delhi, 1992
5. Pandey, K.C., Abhinavagupta: An Historical na Philosophical Study, Chaukhamba Amarabharati Prakashan, Varanasi, 2006
6. Rastogi, Navajivan, Introduction to the Study of Tantraloka: A Study in Structure, Motilal Banarsidass Publishers Private Limited, Delhi, 1987
7. Rastogi, Navajivan, Kashmir Shivadavayavada ki Mula Avadharanayen, Munshiram Manoharlal Publication, Delhi, 2002

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Aitihāsikamahākāvya**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Aitihāsikamahākāvya	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to give the students glimpses of the rich historical poetry in the Sanskrit literary tradition through the reading of four very important compositions of Padmagupta Parimala, Bilhaṇa, Kalhaṇa, and Nayacandra Sūrī.

Learning outcomes

After completion of this course, the students:

- will be able to appreciate the historical, aesthetic, social, political, cultural, etc. values expressed in prescribed compositions.
- Will understand the structural patterns of ancient Sanskrit historical poetry.
- Will be able to know the history of ancient India.
- Will be familiar with the individual styles of the four greatest of Sanskrit poets.

Detailed Syllabus**Unit: I**

नवसाहसार्कचरितम् : प्रथम सर्ग

Hours: 11**Unit: II**

विक्रमाङ्कदेवचरितम् : प्रथम सर्ग

Hours: 11**Unit: III**

राजतरङ्गिणी : प्रथम तरङ्ग (प्रारम्भिक १५० पद्य)

Hours: 11**Unit: IV**

हम्मीरमहाकाव्य : प्रथम सर्ग

Hours: 12**Tutorial Activities**

- Poetry Appreciation
- Textual Interpretation
- Theme Identification
- Peer Review Workshop

Essential/Recommended Readings/Texts**Essential Readings:**

1. नवसाहसाङ्कचरितम् (पद्मगुप्त परिमल) – वामन इस्लामपुरकर, बम्बई संस्कृत सीरीज, मुम्बई
2. नवसाहसाङ्कचरितम् (पद्मगुप्त परिमल) – जितेन्द्र चन्द्र भारतीय, विद्याभवन संस्कृत ग्रन्थमाला, वाराणसी।
3. विक्रमाङ्कदेवचरितम् (बिल्हण) – श्रीकान्त पाण्डेय, साहित्य भण्डार, मेरठ, 2000
4. विक्रमाङ्कदेवचरितम् (बिल्हण) – रामावतार शर्मा, ज्ञानमण्डल यन्त्रालय, वाराणसी
5. राजतरङ्गिणी (कल्हण) – दुर्गाप्रसाद, निर्णय सागर प्रेस, मुम्बई
6. राजतरङ्गिणी (कल्हण) – रामतेज शास्त्री पाण्डेय, चौखम्बा संस्कृत प्रतिष्ठान, वाराणसी
7. हम्मीरमहाकाव्य (नयचन्द्र सूरी) – हरगोविन्द शास्त्री, राजस्थान प्राच्यविद्या प्रतिष्ठान, जोधपुर, 1993
8. हम्मीरमहाकाव्य (नयचन्द्र सूरी) हिन्दी अनुवाद – मुकेश शर्मा, राजस्थान प्राच्यविद्या प्रतिष्ठान, जोधपुर, 1997

Additional Resources:

1. गर्ग, कमलेश – कल्हण की राजतरङ्गिणी में राजनीतिक परिस्थितियाँ, विद्यानिधि प्रकाशन, दिल्ली, 2004
2. पाण्डेय, भूपेन्द्रमणि – हम्मीर महाकाव्य का समालोचनात्मक अध्ययन, बुन्देलखण्ड विश्वविद्यालय, झाँसी, 2005
3. शर्मा उमा शंकर ‘ऋषि’ – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
4. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
5. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Kāvyaṅkārakārikā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Kāvyaṅkārakārikā	04	3	1	0	Nil	Nil

Learning Objectives

The course seeks to introduce contemporary theories on Sanskrit poetics, dealing with traditional and modern questions. It seeks to show how Sanskrit poetics is a living tradition.

Learning outcomes

After completion of this course the students:

- Will have an understanding of the new approach in the realm of Sanskrit Poetics;
- Will acquire knowledge of the different dimensions of poetry i.e. effects (Prayojana), cause (Hetu), definition (Lakshana) and forms (Kavya-bheda), blemishes (Kavya-dosha), poetics - Excellences (Kavya-guna) etc. through the reading of the texts of Kavyalankarakarika of Revaprasada Dwivedi
- Will become aware of new concept of Alaṅkāra as soul of Poetry.
- will be able to compare modern and ancient thoughts of poetics.
- will gain the ability to explain and critically analyze the prescribed texts.

Detailed Syllabus

Unit: I

Hours: 11

अलङ्कार की अवधारणा, काव्यलक्षण, काव्यहेतु, काव्यप्रयोजन, आचार्य द्विवेदी के विचारों का आधार-विवेचन।

Unit: II

Hours: 11

काव्य का आत्मतत्त्व, काव्य का स्वरूप, शब्द, अर्थ एवं भाषा-तत्त्व-सम्बन्धी विचार, सहृदय की दृष्टि से काव्य-सम्बन्धी विचार।

Unit: III

Hours: 11

‘साहित्य’ शब्द का विवेचन, काव्योत्पत्ति एवं काव्यधर्म की उत्पत्ति पर विचार, काव्यधर्मों के विविध रूपों का विवेचन।

Unit: IV

Hours: 12

रस की काव्यात्मता की समीक्षा, आचार्य द्विवेदी के अनुसार काव्य-लक्षण एवं काव्य-दर्शन से सम्बन्धित विशिष्ट अवधारणाओं की समीक्षा, अलङ्कार का अर्थ स्पष्ट करते हुए काव्य में उसकी स्थिति का मूल्यांकन।

Tutorial Activities

- Translation and Commentary Workshop
- Thematic Essay or Poetic Merit

- Rasa Demonstration
- Creative Reconstruction: Compose a short Sanskrit or bilingual poem employing at least two alankāras

Essential/Recommended Readings/Texts

Essential Readings:

1. काव्यालङ्कारकारिका, रेवाप्रसाद द्विवेदी (हिन्दी-अंग्रेजी अनुवाद), कालिदास संस्थानम्, नूतन संस्करण, वाराणसी, 2001

Additional Resources:

2. द्विवेदी, रेवा प्रसाद, भारतीय काव्यसमीक्षा में अलङ्कार सिद्धान्त, मेकमिलन एण्ड कम्पनी, दिल्ली, 1980
3. द्विवेदी, रेवा प्रसाद, संस्कृत काव्यशास्त्र का आलोचनात्मक इतिहास, कालिदास संस्थान, वाराणसी, 2007
4. द्विवेदी, रहस्यबिहारी, साहित्यविमर्शः, सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2002
5. नान्दी, टी.एस., सहृदयालोकलोचन, एल. डी. इंस्टीट्यूट ऑफ इंडोलॉजी, अहमदाबाद, 2005
6. पाण्डेय, रमाकान्त, आधुनिकसंस्कृतकाव्यशास्त्रसमीक्षणम्, जगदीश संस्कृत पुस्तकालय, जयपुर, 2009
7. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
8. यादव राजमङ्गल, संस्कृत काव्यशास्त्र की अर्वाचीन परम्परा, प्रतिभा प्रकाशन, दिल्ली, 2011

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Kāvyaṅkārāsūtravṛtti

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical / Practice		
Kāvyaṅkārāsūtravṛtti	04	3	1	0	Nil	Nil

Learning Objectives

Kāvyaṅkārāsūtravṛtti of Vāmana is a basic text of Rīti theory in Sanskrit poetics. The purpose of this course is to introduce the learners with the Rīti theory in Sanskrit poetics. The course also intends to equip the learners with the knowledge of very important text Kāvyaṅkārāsūtravṛtti.

Learning outcomes

Upon Successful completion of this course students:

- will form a deep understanding of the fundamental terminologies of kavya as presented by Vāmana.
- will acquire an in-depth knowledge of the theory of Rīti.
- will be successful in applying this knowledge for critical analysis in the light of Rīti theory.
- will gain the ability to explain and critically analyze the prescribed texts.
- will be able to appreciate and enjoy the expressions of poetry.

Detailed Syllabus

Unit: I	Hours: 11
प्रथम अधिकरण – प्रथम अध्याय, द्वितीय अध्याय – अधिकारचिन्ता ।	
Unit: II	Hours: 11
प्रथम अधिकरण – द्वितीय अध्याय – रीतिनिश्चय, तृतीय अध्याय – काव्याङ्ग, काव्यविशेष ।	
Unit: III	Hours: 11
तृतीय अधिकरण – प्रथम अध्याय – गुणालङ्कारविवेक, शब्दगुणविवेक ।	
Unit: IV	Hours: 12
तृतीय अधिकरण – द्वितीय अध्याय – अर्थगुणविवेचन ।	

Tutorial Activities

- Text Reading and Sūtra Explanation
- Concept Clarification Chart
- Application through Poetry
- Seminal Discussion: Evolution of Poetic Thought

Essential/Recommended Readings/Texts

Essential Readings:

1. काव्यालङ्कारसूत्रवृत्ति - वामन, (व्या.) हरगोविन्द शास्त्री, चौखम्बा सुरभारती प्रकाशन, वाराणसी
2. काव्यालङ्कारसूत्रवृत्ति - वामन, (व्या.) आचार्य विश्वेश्वर सिद्धान्त शिरोमणि, आत्माराम एण्ड सन्स, दिल्ली
3. काव्यालङ्कारसूत्रवृत्ति - वामन, (व्या.) केदारनाथ शर्मा, चौखम्बा कृष्णदास अकादमी, वाराणसी

Additional Resources:

1. चौधुरी, एन.एन. - काव्यतत्त्वसमीक्षा (संस्कृत में), दिल्ली
2. राय, विक्रमादित्य, काव्यसमीक्षा, भारतीयविद्याप्रकाशन, वाराणसी
3. De, Sushil Kumar, History of Sanskrit Poetics (also Hindi translation), Oriental Book Centre, Delhi, 2006
4. Kane, P.V., *History of Sanskrit Poetics* (also Hindi translation), M.L.B.D., Delhi, 2002
5. Pandey, Kanti Chandra, *Comparative Aesthetics*, Vol. 1, (also Hindi translation Chaukhamba Sanskrit Series Office, Varanasi, 1972

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-5: One-Act Plays in Sanskrit

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Single-Act Plays in Sanskrit	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to introduce students to the diverse and rich tradition of Sanskrit one-act plays, focusing on four primary dramatic forms: Bhana, Prahasana, Vyayoga, Vithi, Anka. Students will study selected representative works from each genre and explore their structure, language, dramatic techniques, social context, and literary value.

Learning outcomes

Upon Successful completion of this course students:

- After successful completion of this course, students will:
- Demonstrate knowledge of different Sanskrit one-act play genres.
- Translate and critically assess Sanskrit dramatic texts.
- Articulate the historical and cultural background of selected plays.
- Engage in analytical discussion on dramaturgy and performative aspects.
- Write scholarly essays on the relevance and uniqueness of classical Sanskrit theatre forms.

Detailed Syllabus

Unit I: Bhāṇa

Hour 11

- Text: *Ubhayābhisārikā* by Vararuchi
- Form: Monologue-based satirical dramatic form
- Focus: Narrative technique, internal dialogue, love and urban life etc.

Unit II: Prahāsana

Hour 12

- Text: *Bhagavadajjukīyam* by Bodhayana
- Form: Farical comedy, often with social or religious satire
- Focus: Humor, satire on religious hypocrisy, body-soul dualism etc.

Unit III: Utsr̥ṣṭikāṅka & Vīthī

Hour 11

- Text: *Dūtaghāṭkaka* of Bhāsa
- *Līlāvātī* by Rāmpānivāda
- Form: One-actor improvisational drama with abstract or symbolic elements
- Focus: Poetic style, narrative brevity, emotional expression etc.

Unit IV: Vyāyoga

Hour 11

- Text: *Kirātārjunīya* vyāyoga by Vatsarāja
- Form: Heroic one-act play with martial or mythological themes
- Focus: Heroism, valor, mythic themes, dramatic conflict etc.

Tutorial Activities

- Script Reading
- Character Study
- Scene Writing
- Stage Design Project
- Review Writing
- Dialogue Practice

Essential/Recommended Readings/Texts

1. Ubhayābhisārikā by Vararuchi – Ed. & Trans. by A.B. Gajendragadkar
2. Bhagavadajjukam by Bodhayana – Ed. with English Translation by C. Rajendran
3. Kirātārjunīya (Vyayoga) by Vatsarāja – Sanskrit Text with Commentary
4. **Dūtaghāṭkaca** of Bhāsa , Ramshankar Tripathi, Ramshankar Tripathi
5. **Dūtaghāṭkaca** of Bhāsa . Sastri, T. Ganapati. Publication date: 1912
6. Līlāvātī by Rampanivāda – Ed. Sugyan kumar Mahanti, D.K. Printworld Pvt. Ltd.,2020
7. चतुर्भाषी, अनु मोतीचन्द्र, हिन्दी ग्रन्थ रत्नाकर कार्यालय प्राइवेट लि० बम्बई , 1960
8. वत्सराजप्रणीतरूपकषटकम् सम्पा- चिमनलाल दलाल, गायकवाड ओरियण्टल संस्थान , बडौदा,1918

Additional Readings:

1. Keith, A. B. (1924). *The Sanskrit Drama in Its Origin, Development, and Decline*. Oxford: Clarendon Press.
2. Pollock, Sheldon. (2009). *The Language of the Gods in the World of Men: Sanskrit, Culture, and Power in Premodern India*. Berkeley: University of California Press.
3. De, S. K. *History of Sanskrit Literature, Volume II: Classical Period*. University of Calcutta, Calcutta, 1960.
4. Kapoor, Subodh. *Encyclopaedia of Indian Literature* Cosmo Publications, New Delhi, 2002.
5. Varma, R. C. *Sanskrit Drama and Harsha*, Munshiram Manoharlal, . New Delhi, 970.
6. Chaturvedi, B. P. *Dramatic Techniques in Sanskrit Theatre: A Study of Ratnavali and Venisamhara*. Eastern Book Linkers, Delhi,1995.
7. M. Krishnamacharya, *A history of classical Sanskrit Literature*, Vijayanti press, Madras, 1906
8. S. Ramaratnam, *Prahasana in Sanskrit Literature*, Kavyalaya Publishers, Mysore, 1987
9. वीरबाला शर्मा, संस्कृत के एकांकी रूपक, मध्यप्रदेश हिन्दी ग्रन्थअकादमी, भोपाल
10. भरतिया, कान्तिकिशोर. संस्कृत नाटककार, प्रकाशन शाखा, सूचनाविभाग, प्रयाग उत्तरप्रदेश,,1959
11. सिंह, उदयभानु. (अनु). संस्कृतनाटक, ए०बी० कीथ, मोतीलाल बनारसीदास,1965
12. सिंह, इन्द्रपाल. संस्कृत नाटक समीक्षा, साहित्य निकेतन, कानपुर,1960
13. शुक्ल, रामलखन. संस्कृत नाट्यकला, मोतीलाल बनारसीदास, दिल्ली 1971.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Siddhāntakaumudī: Kṛdanta and Samāsa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Siddhāntakaumudī: Kṛdanta and Samāsa	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is two-fold; (i) Enhancing and advancing the knowledge of primary suffixes and the derivational processes of the words ending with those suffixes through the reading of the text of Siddhāntakaumudī of Bhattoji Dixit and (ii) Enhancing and advancing the knowledge of Sanskrit compound and the derivational processes of the words ending with those suffixes through the reading of the text of Siddhāntakaumudī

Learning outcomes

After the completion of this course the students will:

- learn the structural patterns and semantic aspects of primary Sanskrit suffixes.
- learn the derivational processes of Sanskrit words ending with primary suffixes.
- learn to identify the general and exceptional patterns of primary suffixes and their interchangeability.

Detailed Syllabus

Unit: I	Hour 11
सिद्धान्तकौमुदी कृदन्त प्रकरण कृत्य प्रकरण एवं पूर्व कृदन्त (सिद्धान्तकौमुदी: पूर्वकृदन्तः) (क्त-प्रत्ययप्रकरण के द्रवमूर्तिस्पर्शयोः शयः से विकुशमिपरिभ्यःस्थलम् सूत्रों को छोड़कर)	
Unit: II	Hour 11
सिद्धान्तकौमुदी कृदन्त-प्रकरण उत्तरकृदन्त-प्रकरण	
Unit: III	Hour 11
सिद्धान्तकौमुदी समास-प्रकरण अव्ययीभाव एवं तत्पुरुष	
Unit: IV	Hour 12
सिद्धान्तकौमुदी समास प्रकरण बहुव्रीहि से अलुक् तक	

Tutorial Activities

- Sūtra Reconstruction Exercise

- Terminology Glossary Compilation: compile a curated glossary of key terms with explanations and examples from *Siddhāntakaumudī*.
- Prakaraṇa-Wise Sutra Grouping
- Prakriyā Simulation

Essential/Recommended Readings/Texts

1. वैयाकरणसिद्धान्तकौमुदी (बालमनोरमा-तत्त्वबोधिनी-टीका) गिरिधरशर्माचतुर्वेदएवंपरमेश्वरानन्दशर्मा, तृतीयभाग, दिल्ली।
2. गोविन्दाचार्य, वैयाकरणसिद्धान्तकौमुदी (चतुर्थभागः प्रथमखण्ड, द्वितीयखण्ड), चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2010
3. जिज्ञासु, पं. ब्रह्मदत्त सोनीपत, हरियाणा अष्टाध्यायी (भाष्य) प्रथमावृत्ति, रामलालकपूरट्रस्ट, बहालगढ़,
4. शास्त्री शिवनारायण, वैयाकरण-सिद्धान्तकौमुदी, भ्वादिगण (भवतोषिणी हिन्दीटीका सहित), दिल्ली 1989
5. Sharma, Ramanath - The Astadhyayi of Panini, Vol.1 to Vol. 6, Munshiram Monoharlal Publishers Pvt. Ltd. Delhi. 1987-2003
6. Vasu, S.C. The Astadhyayi of Panini (2 Vols.), Motilal Banarasidass, Delhi-1997
7. E-Learning Tools developed by Computational Sanskrit Group, Department of Sanskrit University of Delhi available at: <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Kautilya’s Arthaśāstra-2

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Kautilya’s Arthaśāstra-2	04	3	1	0	Nil	Nil

Learning Objectives

This course provides an in-depth study of the Arthaśāstra, focusing on its structural divisions and core concepts. Students will explore the foundational principles of governance, statecraft, and economic management, welfare, taxation, strategies for economic management, kingship, administration, and diplomacy. The course emphasizes definitions, key duties, and policies for state welfare. Through critical engagement with these texts, students will develop an understanding of ancient political systems, administrative strategies, and ethical governance, connecting them with contemporary leadership and policy-making frameworks.

Learning outcomes

- 3. Understand the structural framework and organization of the Arthaśāstra’s (adhikaraṇa, prakaraṇas and adhyaya).
- 4. Develop a comparative understanding of ancient and modern governance principles and their practical implications.

Detailed Syllabus

Unit: I **Hour 11**

Arthaśāstra

Yogavṛtta -Adhikaraṇa-5
Maṇḍalayoni -Adhikaraṇa-6

Unit: II **Hour 11**

Arthaśāstra

Śāḍguṇya -Adhikaraṇa-7
Vyasanādhikārika -Adhikaraṇa-8

Unit: III **Hour 11**

Arthaśāstra

Abhiyāsyatkarman -Adhikaraṇa-9
Sāṅgrāmika -Adhikaraṇa-10

Unit: IV **Hour 12**
Arthaśāstra

Ābaliyasa -Adhikaraṇa-12
 Durgalambhopāya -Adhikaraṇa-13
 Aupaniṣadika -Adhikaraṇa-14
 Tantrayukti-Adhikaraṇa-15

Tutorial Activities

- Contextual Lecture
- Comparative Study
- Case Study
- Presentation

Essential/Recommended Readings/Texts

1. गैरोला, वाचस्पति.(2021). कौटिलीय-अर्थशास्त्रम्. चौखम्बा विद्याभवन, वाराणसी.
2. तिवारी, श्यामलेश कुमार.(2017). कौटिलीय अर्थशास्त्रम्. चौखम्बा सुरभारती प्रकाशन, वाराणसी.
3. कौटिल्य अर्थशास्त्र संस्कृत टीका सहित, संपादक-टी. गणपतिशास्त्री, त्रिवेन्द्रम्।
4. Chaudhary, R.K. - Kautilya's Political Ideas and Institutions, Chaukhamba S. Seris Varanasi, 1971.
5. Tiwari, Shyamlesh Kumar, 2024. Kautilya Arthashastram, chaukhamba publishing house, varanasi
6. T. Ganpatishastri (2013) Arthashastra of Kautilya english translated by N.P Unni, New Bharatiya Book Corporation
7. Banerji, Sures Chandra. *A brief history of Dharmaśāstra*. Abhinav Publications, 1999.
8. Kangle, R.P. (2010) Kautilya Arthashastra, Motilal Banarasidass
9. Shamashastri, R. (2021) Kautilya's Arthashastra, Dev Publishers & Distributors
10. Kane, Pandurang Vaman. *History of dharmaśāstra*. Vol. 2. Poona: Bhandarkar Oriental Research Institute, 1973.
11. Olivelle, Patrick, and Donald Richard Davis, eds. *Hindu law: a new history of Dharmaśāstra*. Oxford University Press, 2018.
12. Online Search and Indexing Tools for Dharmashastric Texts, available at: <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Inscriptions of Gupta Period

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Inscriptions of Gupta Period	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to provide students with a comprehensive understanding of the inscriptions from the Gupta period, focusing on their historical, linguistic, and cultural significance. It aims to familiarize students with key inscriptions of Gupta rulers, exploring their role in documenting political, administrative, and religious developments. The course will also examine the evolution of scripts and the impact of Gupta inscriptions on understanding the economic, social, and cultural landscape of ancient India. Students will gain skills in analyzing and interpreting these inscriptions as primary sources of historical knowledge.

Learning outcomes

After the completion of this course, the students will:

- Gain a deep understanding of the historical, linguistic, and cultural importance of Gupta period inscriptions.
- Be able to analyze key inscriptions of Gupta rulers and their impact on political and administrative history.
- Develop skills to interpret inscriptions as valuable sources for studying religious, social, and economic aspects of the Gupta period.
- Learn about the evolution of scripts and stylistic features in Gupta inscriptions.
- Recognize the significance of Gupta period inscriptions in shaping the broader historical narrative of ancient India.

Detailed Syllabus

Unit: I

Hour 11

- Political and Cultural Background of the Gupta Period
- Significance and Geographical Spread of Inscriptions in the “Golden Age”
- System of Dating and Gupta Samvat
- Evolution of Gupta Script

Unit: II

Hour 11

- Prayag Pillar Inscription of Samudragupta
- Mehrauli Iron Pillar Inscription of Chandragupta
- Mathura Pillar Inscription of Chandragupta II
- Udaigiri Caves Inscription of Chandragupta II

- Bhilsad Pillar Inscription of Kumaragupta
- Damodar Patt Copperplate Inscription of Kumaragupta

Unit: III**Hour 11**

- Bhitari Pillar Inscription of Skandagupta
- Girnar Inscription of Skandagupta
- Kahaun Inscription of Skandagupta
- Mandsaur Inscription of Pattwaya Shreni
- Mandsaur Inscription of Yashodharman

Unit: IV**Hour 12**

- Khoh Copper-plate Inscription of Maharaja Sankshobha
- Sarnath Buddha Statue Inscription of Buddhagupta
- Eran Varaha Inscription of Tormaan
- Gwalior Inscription of Mihirkula
- Puna Copper plate Inscription of Prabhavati Gupta

Tutorial Activities

- Learning of dating systems and chronology
- Study of dynastic lineage and genealogy
- Knowledge of geographical location and mapping
- Study of scripts, language and palaeography

Essential/Recommended Readings/Texts

- उपाध्याय, वासुदेव. गुप्त साम्राज्य का इतिहास. (खण्ड 1-2), इण्डियनप्रेस, इलाहाबाद, 1957.
- उपाध्याय, वासुदेव. गुप्त अभिलेख. बिहार हिन्दी ग्रन्थ अकादमी, पटना, 2000.
- ऋषि, उमाशंकर. अभिलेख रत्नमाला. नागरी प्रचारिणी सभा, वाराणसी, 1984.
- फलीट, जे.एफ. भारतीय अभिलेख संग्रह. (प्रारम्भिक गुप्त शासकों के अभिलेख), राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर, 1974.
- मजूमदार, आर.सी. एवं अल्लेकर, ए.एस. गुप्त-वाकाटक युग. मोतीलाल बनारसीदास, दिल्ली, 1968.
- श्रीवास्तव, के. सी. प्राचीन भारत का इतिहास तथा संस्कृति. यूनाइटेड बुक डिपो, इलाहाबाद, 2022.
- सैनी, रणजीत सिंह. अभिलेखमञ्जूषा. न्यू भारतीय बुक कार्पोरेशन, दिल्ली, 2000.
- सहाय, शिवस्वरूप. भारतीय पुरालेखों का अध्ययन. मोतीलाल बनारसीदास, दिल्ली, 2008.
- Banerji, M. A Study of Important Gupta Inscriptions. Calcutta, 1974.
- Majumdar, R.C. & Pusalkar, A.D. The History and Culture of the Indian People. Vol. III (The Classical Age), Bhartiya Vidya Bhavan, Bombay, 1984.
- Mookarji, R.K. The Gupta Empire. Moti Lal Banarsi Dass, Delhi, 1973.
- Sircar, D.C. Select Inscriptions. University of Calcutta, Calcutta, 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Writing of Manuscripts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Writing of Manuscripts	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to familiarize students with the principles and techniques involved in the writing of manuscripts. It aims to explore the historical and cultural aspects of manuscript production, including the materials, tools, and writing styles used across different periods and regions. The course will focus on understanding the methods employed in the creation of manuscripts, from preparation of surfaces to the actual writing process, helping students appreciate the craftsmanship involved in preserving and transmitting knowledge through handwritten texts.

Learning outcomes

After the completion of this course, the students will:

- Understand the historical and cultural significance of manuscript writing practices.
- Learn about the materials, tools, and techniques used in the creation of manuscripts.
- Develop an appreciation for the craftsmanship involved in manuscript production.
- Gain insight into the different writing styles and scripts used in various historical contexts.
- Acquire the skills to analyze and interpret the physical characteristics of handwritten manuscripts.

Detailed Syllabus

Unit: I

Hour 11

- Importance and purpose
- Writers
- Lipikaar (Scribers)
- Distortions by Scribers
- Writing or Direction- Alignment, Mixed words, Full stop, Page number

Unit: II

Hour 12

- Missing Fraction fill sign (छूटे अंश की पूर्तिचिह्न)
- Abbreviation Symbol (संक्षिप्त चिह्न)
- Number writing
- Words to Number

Unit: III

Hour 11

- Auspicious symbol (मंगल प्रतीक)
- Namaskar, Aashirvachan, prashasti

- Upasanhar, Pushpika, Shubhashubh
- Shubhashubh in writing breaks, Lekhani Shubhashubh, Vidhi Nishedh

Unit: IV**Hour 11**

- Ink, Color ink, Golden ink,
- Painting cop composition colour (चित्र रचना रंग)
- Tools for Writing Manuscripts
- Dora-dori, Granthi, Hartal

Tutorial Activities

- Introduction and Material Study
- Script Identification Exercise
- Manuscript Preservation Workshop
- Paleographic Study and Dating Exercise
- Scribe and Patronage Discussion
- Translation and Content Analysis

Essential/Recommended Readings/Texts

1. पाण्डुलिपिविज्ञान - कुमार सत्येन्द्र
2. Manuscript and Manuscriptology in gudia. Nandi S. G. and Palit P.K
3. Manuscriptology, Nayar. key Mahesvaran
4. Manuscriptology an entrance, Jagannatha. S. Parimal Publication
5. New lights on Manuscriptology; a collection of articles of Prof. K.V
6. Study of Manuscripts, Chinthahar Chakravarthi
7. Aspects of Manuscript studies of M.L. Wadekar
8. Writing Materials in Ancient India, S. R. Sharma
9. Manuscriptology, K. Maheshwarian Nair

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-5: Vālmīki Rāmāyaṇa-2

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vālmīki Rāmāyaṇa-2	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to present a thorough picture of valuable cultural heritage of India as preserved in the epics of Vālmīki Rāmāyaṇa. The individual characters of the epic, social, economic, geographical, political, philosophical and educational systems as reflected in the epic will be the major highlighting points.

Learning outcomes

After the completion of this the course students will:

- be able to learn about the behavioural values, ethics and belief patterns through the individual characters of the epic.
- be able to explain the aesthetic and poetic beauty and style of presentation of the texts of Vālmīki Rāmāyaṇa.
- get the knowledge of the historic value of Vālmīki Rāmāyaṇa.
- learn about the social, economic, geographical, political, philosophical and educational aspects of Vālmīki Rāmāyaṇa.

Detailed Syllabus

Unit: I	Hour 11
वाल्मीकि रामायण (गीताप्रेस संस्करण) – बालकाण्ड (19–23 सर्ग)	
Unit: II	Hour 12
वाल्मीकि रामायण (गीताप्रेस संस्करण) – अयोध्याकाण्ड (52, 79, 97, 105, 115 सर्ग)	
Unit: III	Hour 11
वाल्मीकि रामायण (गीताप्रेस संस्करण) – अरण्यकाण्ड (47-51 सर्ग)	
Unit: IV	Hour 11
वाल्मीकि रामायण (गीताप्रेस संस्करण) – किष्किन्धाकाण्ड (14–18 सर्ग)	

Tutorial Activities

- Sarga Recitation
- Character Study Workshop
- Rasa and Alāṅkāra Identification

- Sītā's Trial: Literary and Feminist Interpretation
- Theological Dimensions
- Artistic and Cultural Expressions

Essential/Recommended Readings/Texts

Essential Readings:

1. Ramayana with Hindi trans., Gita Press, Gorakhpur.
2. Ramayana with four commentaries by Govindaraja & others, Lakshmi Venkateswara Press, Bombay, 1935
3. Ramayana ed. by Chinnaswami Sastri and V.H. Subrahmanyam Shastri, Pub. by N. Ramaratham, Madras, 1958

Additional Resources:

1. Hopkins, E.W., The Great Epic of India, Reprinted by Punthi Pushtaka, Calcutta, 1969
2. Ramayana with four commentaries by Govindaraja & others, Lakshmi Venkateswara Press, Bombay, 1935
3. Ramayana ed. by Chinnaswami Shastri and V.H. Subrahmanyam Shastri, Pub. by N. Ramaratham, Madras, 1958

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Introduction to Python Programming for Sanskrit-2

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Introduction to Python Programming for Sanskrit-2	04	3	0	1	Nil	Nil

Learning Objectives

When students complete Intro to Programming with Python, they will be able to: Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions. Work with user input to create fun and interactive programs. Create simple games with images, animations, and audio using our custom beginner-friendly programming library, Wizardlib

Learning outcomes

Students can learn to construct basic programs using fundamental programming concepts like variables, conditional logic, looping, and functions. Students can learn to create interactive programs for Sanskrit that work with user input, Students can learn to automate tasks using Python for processing of Sanskrit texts and develop the various teaching and learning tools for Sanskrit. Students can learn to work with large datasets easily.

Detailed Syllabus

Unit: I **Hour 12**

Python - Operators

- Types of Python Operators
- Arithmetic Operators
- Comparison (Relational) Operators
- Assignment Operators
- Logical Operators
- Bitwise Operators
- Membership Operators
- Identity Operators
- Python - User Input

Unit: II **Hour 11**

Python - Numbers

Python - Booleans

Python - Control Flow

- Decision Making Statements

Unit: III
Types of Decision Making Statements in Python
Python - Loops

Hour 11

Unit: IV
Python - Functions and Python Modules

Hour 11

Practical Activities

- Sanskrit Verse Analyzer
- Word Frequency Analyzer
- Sanskrit Morphology Generator
- Sanskrit Sandhi Generator

Essential/Recommended Readings/Texts:

1. <https://www.tutorialspoint.com/python>
2. <https://www.w3schools.com/python/>
3. <https://docs.python.org/3/tutorial/index.html>
4. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
5. <https://www.javatpoint.com/python-tutorial>
6. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
7. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.
8. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
9. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
10. Aamer Y. Khan, Python Programming Language with Python Project, Code Academy, 2024

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Suśruta Saṃhitā: Chikitsasthanam

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Suśruta saṃhitā: Chikitsasthanam	04	3	1	0	Nil	Nil

Learning Objectives

The Suśruta saṃhitā is an ancient Indian medical text that aims to provide knowledge of surgery, anatomy, and other aspects of health. It also emphasizes the importance of cleanliness and sterilization in surgical procedures. The Suśruta saṃhitā provides information on surgical techniques, such as wound closure, suturing, and bandaging. It also emphasizes the importance of using sterile tools and maintaining a clean surgical environment.

Learning outcomes

Sushruta has a rich history of medicine that is imbued with his pioneering spirit, which carried enduring influence. His works have been relevant in fomenting generations of surgeons and medical practitioners into the annals of history and solidifying his place as a timeless figure in the evolution of medical science. Students will be able to know the ancient procedures of surgery.

Detailed Syllabus

Unit: I Hour 11

Chikitsasthanam

- Dvivraṇīyacikitsita
- Sadyovraṇacikitsita
- Bhagnacikitsita
- Vātavyādhicikitsita
- Mahāvātavyādhicikitsita

Unit: II Hour 11

Chikitsasthanam

- Arśācikitsita
- Aśmarīcikitsita
- Bhagandaracikitsita
- Kuṣṭhacikitsita
- Mahākuṣṭhacikitsita
- Pramehacikitsita
- Pramehapiḍakācikitsita

Unit: III Hour 11

Chikitsasthanam

Madhumehacikitsita
 Udaracikitsita
 Mūḍhagarbhacikitsita
 Vidradhicikitsita
 Visarpanāḍīstanarogacikitsita
 Granthyapacyarbudagalagaṇḍacikitsita
 Vṛddhyupadaṁśaślīpadacikitsita
 Kṣudrarogacikitsita
 Śūkarogacikitsita

Unit: IV**Hour 12****Chikitsasthanam**

Mukharogacikitsita
 Śophacikitsita
 Anāgatabādhāpratiśedha
 Miśrakacikitsita
 Kṣīṇabaliyavājīkaraṇa
 Sarvopaghātaśamanīyarasāyana
 Medhāyuhkāmīyarasāyana
 Svabhāvavyādhipratiśedhanīyarasāyana
 Nivṛttasaṁtāpīyarasāyana

Tutorial Activities

- Discussion on Various Disease Symptoms depicted in the Text
- Discussion on Various Herbs

Essential/Recommended Readings/Texts

1. अनन्तराम शर्मा, 2019.सुश्रुत संहिता, चौखम्बा सुरभारती प्रकाशन. भाग 1-3
2. केशव कृणाल ठकराल, 2014.सुश्रुत संहिता, चौखम्बा ओरियन्टलिया, वाराणसी भाग 1-2.
3. Singhal, G. D. Susruta Samhita: Ancient Indian Surgery (in 3 Vol. Set). Chaukhamba Sanskrit Pratishthan, 1975.
4. Bhishagratna, Kaviraj Kunja Lal. *An English Translation of the Sushruta Samhita, Based on Original Sanskrit Text, Vol. 3.* Forgotten Books, 2018.
5. Patil, Vasant C. *Susruta Samhita, 3 Volumes.* Chaukhambha Publications, 2018.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Trisatika

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Trisatika	04	3	1	0	Nil	Nil

Learning Objectives:

The course aims to introduce contemporary theories and facts about Vedic mathematics and the Bhartiya mathematical tradition, addressing both traditional and modern questions. It seeks to demonstrate how Vedic mathematics and the entire Bhartiya mathematical tradition is a living practice.

Learning outcomes:

After completion of this course the students:

- Will have a comprehensive understanding of the innovative concepts bridging the gap between Bhartiya Mathematics and Modern Mathematics.
- Will acquire knowledge of the different dimensions of Mathematics i.e. effects, cause, definitions, forms and facts present in Bhartiya Mathematics and Vedic Mathematics. They will explore the historical context, key principles, and methodologies that characterize this unique approach.
- Will become acquainted of new concepts and facts found in Mathematics.
- Will be able to compare modern and ancient thoughts of Mathematics.
- Will achieve the ability to critically analyze and explain the prescribed texts.

Detailed Syllabus:

Unit: I	Hour 11
Trisatika: Verse 1-15 with Nyas Verses	
Unit: II	Hour 11
Trisatika: Verse 16-30 with Nyas Verses	
Unit: III	Hour 12
Trisatika: Verse 31-45 with Nyas Verses	
Unit: IV	Hour 11
Trisatika: Verse 46-60 with Nyas Verses	

Tutorial Activities

- Mathematics as a Cultural Practice
- Discussion Recitation and Pattern Recognition
- Demonstration of Vedic Techniques
- Critical Commentary Writing

Essential/Recommended Readings/Texts:

1. सुद्युम्नाचार्य, त्रिशतिका इत्यपराभिधानः पाटीगणितसारः, राष्ट्रीय संस्कृत संस्थान, नई दिल्ली, 2004
2. D.Heroor, Venugopal, *Śrīdhara's TriŚatikā or Pāṭīgaṇitasāra*, Chinmaya International Foundation Shodh Sansthan, Ernakulam, Kerala, 2015.
3. तीर्थ, भारती कृष्ण, वैदिक गणित, मोतीलाल बनारसीदास, दिल्ली, 2005
4. सुद्युम्नाचार्य, गणित शास्त्र के विकास की भारतीय परम्परा, मोतीलाल बनारसीदास, दिल्ली, 2006

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Bhāratīya Kuṇḍalī Vijñāna-I

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Bhāratīya Kuṇḍalī Vijñāna-I	04	3	1	0	Nil	Nil

Learning Objectives:

The objective of this paper is to teach the students about mathematical calculation for making horoscope, various units of time and annual horoscope.

Learning outcomes:

After studying this course students:

- Will be able to know the concept behind Panchanga.
- Will be able to get Knowledge about how to make a horoscope.
- Will be able to know the concept of dasha-sadhana.
- Will be able to know basic concept of Varshphal/Tajikshastra.

Detailed Syllabus:

Unit: I

Hours: 12

पञ्चांगविचार, तिथिक्षयवृद्धिनिर्णय, पञ्चांगमाहात्म्य, भद्रा, राशि, संवत्सर, अयन, गोल, ऋतु, मास, पक्ष, घातचक्र, जन्म-नाम विचार ।

Unit: II

Hours: 11

सूर्योदयसाधन, स्पष्टग्रह, चालन, इष्टकालसाधन, इष्टकालिक ग्रहसाधन, भयात-भभोग, चन्द्रस्पष्टीकरण

Unit: III

Hours: 11

अयनांश, चरखण्डानयन, लंकोदय एवं स्वोदयमान, लग्नानयन, नतसाधन, दशमलग्नसाधन ।

Unit: IV

Hours: 11

संसंधिद्वादशभाव, विंशोपकबल, दशवर्ग, ग्रह उच्च-नीच विभाग, सप्तकवर्गबल-विचार, रेखाष्टक, आयु-साधन ।

Tutorial Activities

- Terminology Familiarization
- Concept Clarification Chart
- Kuṇḍalī Preparation Workshop
- Graha-Bhāva Relationship Exercise
- Group Discussion: Astrology and Philosophy

- Chart Interpretation Practice

Essential/Recommended Readings/Texts:

1. भारतीय कुण्डली विज्ञान-ओझा, मीठालाल हिम्मतराम, देवर्षि प्रकाशन, वाराणसी, 2004
2. भारतीय कुण्डली विज्ञान झा, सुरकांत, चौखंभा संस्कृत सीरीज ऑफिस, वाराणसी, 2016

Additional Resources:

1. भारतीय ज्योतिष शास्त्री, नेमिचन्द्र, भारतीय ज्ञानपीठ प्रकाशन, नईदिल्ली- 1987
2. भारतीयज्योतिषम् - शिवनाथझारखण्डी, उत्तरप्रदेश हिन्दी संस्थान, लखनऊ, 2010
3. भारतीयज्योतिषम् – नेमिचंद्र शास्त्री, भारतीय ज्ञानपीठप्रकाशन, दिल्ली, 1992
4. Tucker, W.M. - Astrology for Everyman, Sagar Publication, New Delhi, 1960
5. History of Indian Astronomy - Sankar Balkrishna Dikshit, Government of India Book Dept, Calcutta, 1981

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research Trends and Innovations in Vedic Studies

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends and Innovations in Vedic Studies	04	3	1	0	Nil	Nil

Learning Objectives

5. To familiarize students with the nature and scope of research in Vedic studies.
6. To introduce modern and traditional research methods in Vedic studies.
7. To analyse major sources, commentarial traditions, and interpretative approaches.
8. To acquaint students with recent trends and interdisciplinary approaches in Vedic studies.

Learning Outcomes

Upon successful completion of this course, the students will be able to:

1. Explain the nature, scope, and significance of research in Vedic studies
2. Identify major sources, texts, commentarial traditions in Vedic literature.
3. Formulate research questions, hypotheses, objectives relevant to Vedic thought.
4. Demonstrate the ability to design a research proposal, knowledge of methodology and literature review related to Vedic studies.
5. Evaluate the relevance and interdisciplinary connections of Vedic knowledge (such as ethics, Vedic sciences, environmental ethos, philosophical insights, sustainable development etc).
6. Prepare quality research papers, book reviews, thesis/dissertation based on primary sources related to Vedic studies

Detailed Syllabus

Unit: I

Nature and Scope of Research in Vedic studies-

Hour 11

- Nature, Scope and Objectives of Research in Vedic studies
- Importance and challenges of researches in Vedic studies.
- Commentary tradition of Vedic Literature

Unit: II

Hour 11

Research Methodology in Vedic studies-

- Different types of research methodology in Vedic studies.
- Writing research proposals, hypotheses, objectives, and review of literature.
- Use of Vedabhashya in research.
- Use of Hermeneutic and exegetical methods in Vedic studies.
- Role and importance of traditional method and Vedic accent in Vedic researches.

Unit: III**Hour 12****Research Tools in Vedic studies researches.**

Nature, scope and use of tools in Vedic researches.

- Use of online resources and technology in Vedic researches (digital libraries, databases, Vedic Heritage portal etc).
- Use of primary and secondary sources.
- Use of research Tools: Critical Edition, Manuscripts, Commentaries, concordances etc.
- Bibliographical tools: Catalogues, Bibliographies, Research journals.

Unit: IV**Hour 11****Research Design, Documentation, and Publication in the Research on Vedic studies**

Citation, transliteration (IAST), and referencing styles.

- Research ethics and academic integrity in Vedic researches.
- Critical review and publications related to Vedic research papers.
- Role of Seminars/conferences, journals, and digital repositories.
- Publications of Patrika/Journals, seminar proceeding, Chapter books, books etc.
- Editing of Manuscripts related to Vedic studies.

Research synopsis, matter collections, Documentation, Thesis /Project/ Monograph writing and Publication.

Reference management and software tools.

Research design, structure and management difference style of references in Vedic studies etc.

Tutorial Activities

- Doubt solving classes.
- Development of writing research paper skills in Sanskrit on Vedic studies.
- Learning to collect materials related to research studies
- Research Paper Presentation
- Analytical Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. Kothari, C.R. *Research Methodology: Methods and Techniques*.
2. Mohanty, J.N. *Reason and Tradition in Indian Thought*.
3. APA or MLA Manual (for citation and ethics guidelines)

4. Ramachandra Rao, S.K. *Research Methodology in Indian Philosophy*
5. UGC Regulations on “Promotion of Academic Integrity and Prevention of Plagiarism (2018)”
6. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, २०१०
7. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, २००८
8. शोधप्रविधि, रहस बिहारी द्विवेदी,

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-6: Research in Indian Philosophy

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Indian Philosophy	04	3	1	0	Nil	Nil

Learning Objectives

- To familiarize students with the nature and scope of research in Indian Philosophy.
- To introduce classical and modern methods of philosophical research.
- To analyze major sources, commentarial traditions, and interpretative approaches.
- To acquaint students with recent trends and interdisciplinary approaches in Indian philosophical research.

Learning Outcomes

Upon successful completion of this course the students will be able to:

- Explain the nature, scope, and significance of research in Indian Philosophy.
- Identify major sources, texts, and commentarial traditions within Indian philosophical schools.
- Formulate research questions, hypotheses, and objectives relevant to Indian philosophical thought.
- Demonstrate the ability to design a philosophical research proposal with a clear methodology and literature review.
- Evaluate the modern relevance and interdisciplinary connections of Indian Philosophy (e.g., in ethics, cognitive science, or environmental philosophy).
- Develop proficiency in academic writing, citation, and transliteration (IAST or Devanāgarī).
- Prepare well-structured research papers, book reviews, and dissertation chapters based on primary and secondary sources.
- Use digital tools, manuscript archives, and databases effectively for philosophical research.
- Demonstrate academic integrity, avoiding plagiarism and unethical research practices.
- Cultivate a research attitude grounded in intellectual honesty, rigor, and openness to diverse philosophical traditions.

Detailed Syllabus

Unit: I

Hour 11

Nature and Scope of Research in Indian Philosophy

- Meaning, nature, and objectives of research.
- The nature of philosophical inquiry in Indian tradition (Darśana as vision).
- The structure of philosophical systems: Ontology, Epistemology, and Axiology.
- Sources of Indian Philosophy: Vedas, Upaniṣads, Smṛtis, Darśanas and regional texts.
- Importance and challenges of research in Indian philosophical texts.

Unit: II**Hour 11****Research Methodology in Indian Philosophy**

- Meaning and stages of research methodology.
- Classical Indian methods of reasoning: Śruti, Yukti, Anubhava, Pratyakṣa, Anumāna, Upamāna, and Śabda.
- Hermeneutic and exegetical methods (Mīmāṃsā and Nyāya perspectives).
- Comparative and analytical methods.
- Writing research proposals, hypotheses, objectives, and review of literature.
- Use of traditional commentaries (Bhāṣya, Vṛtti, Ṭīkā, etc.) in research.

Unit: III**Hour 12****Research Tools in Indian Philosophy**

- Tools for textual study: lexicons (Amarakosha), concordances, indices, and commentaries.
- Manuscriptology: reading, transcription, and collation methods.
- Use of critical editions and philological analysis.
- Bibliographical tools: catalogues, bibliographies, and databases.
- Digital and online resources: GRETIL, SARIT, Muktabodha, Digital Corpus of Sanskrit (DCS).
- Reference management and software tools.

Unit: IV**Hour 11****Research Design, Documentation, and Publication**

- Research design and structure of a philosophical thesis Writing a research proposal: aims, hypotheses, objectives, and significance.
- Use of primary and secondary sources: Manuscripts, commentaries, and digital databases.
- Citation, transliteration (IAST), and referencing styles.
- Research ethics and academic integrity in philosophical writing.
- Critical review and publication of philosophical papers.
- Use of technology and digital tools in Indological research (digital libraries, databases, Sanskrit corpora).
- Role of conferences, journals, and digital repositories.

Tutorial Activities

- Sources and Textual Tradition
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Review & Debate Session

- writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- A training to developing an Interdisciplinary approach

Essential/Recommended Readings/Texts

Essential Readings:

1. Kothari, C.R. *Research Methodology: Methods and Techniques*.
2. Mohanty, J.N. *Reason and Tradition in Indian Thought*.
3. Sastri, Kuppaswami. *Studies in Indian Logic and Philosophy*.
4. Daya Krishna. *Indian Philosophy: A Counter Perspective*.
5. Potter, Karl H. *Encyclopedia of Indian Philosophies*.
6. Patrick Olivelle. *The Study of Indian Philosophy: Sources and Methods*.
7. APA or MLA Manual (for citation and ethics guidelines)
8. Ramachandra Rao, S.K. *Research Methodology in Indian Philosophy*
9. UGC Regulations on “Promotion of Academic Integrity and Prevention of Plagiarism (2018)”
10. Jha, V. N. *Philosophical Research: Indian Perspectives*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-6: Research Innovations in Sanskrit Poetics

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Innovations in Sanskrit Poetics	04	3	1	0	Nil	Nil

Learning Objectives

- To understand the evolution and major trends in Sanskrit Poetics (*Alaṅkāraśāstra*) research from ancient to modern times.
- To familiarize learners with innovative methodologies and interdisciplinary approaches applied in recent Sanskrit Poetics research.
- To develop analytical skills for critical evaluation of traditional and modern theories of *Rasa*, *Alaṅkāra*, *Rīti*, *Dhvani*, *Vakrokti* and *Aucitya*.
- To encourage comparative and cross-cultural studies linking Sanskrit Poetics with Western literary criticism and modern aesthetics.
- To enable students to design and conduct innovative research projects in the field of Sanskrit literary theory.

Learning Outcomes

After completing the course, students will be able to:

- Demonstrate comprehensive knowledge of classical and modern trends in Sanskrit Poetics.
- Critically analyze traditional texts with reference to new theoretical frameworks.
- Employ innovative and interdisciplinary methods in Sanskrit Poetics research.
- Identify research gaps and propose original topics or hypotheses for future studies.
- Prepare academically sound research papers and dissertations following current scholarly standards.

Detailed Syllabus

Unit: I

Hour 11

Foundations and Historical Trends in Sanskrit Poetics

- Origin and development of *Alaṅkāraśāstra*
- Nomenclature of poetics
- Aims of poetry
- Cause of poetry
- Definition of Poetry
- Kinds of Poetry according from Bhamaha to Panditaraja Jagannatha.

Unit: II

Hour 11

Survey of researches done on *Rasa*, *Alaṅkāra* and *Rīti* schools

Survey may Editing work, Commentaries, Translations, Independent research work, Theses, Dissertations, Research Papers and Manuscripts.

Unit: III

Hour 12

Survey of researches done on *Dhvani*, *Vakrokti* and *Aucitya* Schools.

Survey may Editing works, Commentaries, Translations, Independent research work, Theses and Dissertations, Research Papers and Manuscripts.

Unit: IV

Hour 11

Modern Research Trends in Sanskrit Poetics and Interdisciplinary Approaches

Modern reinterpretations in Sanskrit Poetics according to Brahmadanda Sharma, Revaprasad Dwivedi, Abhiraj Rajendra Mishra, Radhavallabh Tripathi, Rahasvihari Dwivedi and Harshdev Madhav.

Comparative research-based study between Sanskrit and Western Poetics specially Plato, Aristotle, Longinus, Horace, William Wordsworth, T.S. Eliot, Benedetto Croce.

Tutorial

- Survey
- Research Paper writing
- Group Discussion
- Paper presentation

Essential/Recommended Readings/Texts

Essential Readings:

1. कृष्णकुमार - अलंकारशास्त्र का इतिहास, साहित्य भण्डार, मेरठ
2. De, S.K. - History of Sanskrit Poetics, K.L. Mukhopadhyay, Calcutta
3. Kane, P.V. - History of Sanskrit Poetics, MLBD, Delhi
4. श्रीवास्तव आनन्द कुमार – आधुनिक संस्कृत काव्यशास्त्र, ईस्टर्न बुक लिंक्स, दिल्ली
5. यादव राजमङ्गल, संस्कृत काव्यशास्त्र की अर्वाचीन परम्परा, प्रतिभा प्रकाशन, दिल्ली, 2011
6. अभिराजयशोभूषणम् – अभिराज राजेन्द्र मिश्र, वैजयन्त प्रकाशन, इलाहाबाद

7. काव्यालङ्कारकारिका, रेवाप्रसाद द्विवेदी (हिन्दी-अंग्रेजी अनुवाद), कालिदास संस्थानम्, नूतन संस्करण, वाराणसी, 2001
8. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
9. अभिनवकाव्यालङ्कारसूत्रम् (राधावल्लभ त्रिपाठी) – रमाकान्त पाण्डेय, जगदीश संस्कृत पुस्तकालय, जयपुर, 2009.
10. द्विवेदी, रहस्यविहारी – नव्यकाव्यतत्त्वमीमांसा – अक्षयवट प्रकाशन, २६ बलरामपुर हाउस, प्रयागराज, उत्तर प्रदेश – प्रथम संस्करण – २०२४

Recommended Readings/Texts

1. K. Krishnamoorthy – *Essays in Sanskrit Criticism*
2. P. V. Kane – *History of Sanskrit Poetics*
3. S. K. De – *History of Sanskrit Poetics* (Vol. I & II)
4. Raghavan, V. – *Bhoja's Śṛṅgāraprakāśa: A Study*
5. Ingalls, D. H. H. et al. – *The Dhvanyāloka of Ānandavardhana* (Harvard Oriental Series)
6. Pollock, Sheldon – *A Rasa Reader: Classical Indian Aesthetics*
7. Kapila Vatsyayan – *Classical Indian Dance in Literature and the Arts*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research in Sanskrit Poetry

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Sanskrit Poetry	04	3	1	0	Nil	Nil

Learning Objectives

- To familiarize students with the evolution of Sanskrit Poetry and their major research trends.
- To introduce modern methodologies and interdisciplinary approaches in research related to Sanskrit Poetry.
- To encourage critical engagement with classical Sanskrit poetic theories (Alaṅkāra, Rīti, Dhvani, Vakrokti, Aūchitya, etc.) in light of new perspectives.
- To examine innovative research paradigms, comparative studies, and digital approaches in Sanskrit Poetics.
- To promote the development of independent and creative research ideas in the field.

Learning Outcomes

After completing this course, students will be able to:

- Critically analyze past and present trends in research to relate Sanskrit Poetry.
- Identify and evaluate innovations and interdisciplinary methods applied to Sanskrit Poetry.
- Develop well-structured research proposals using modern tools and perspectives.
- Conduct comparative studies between Sanskrit Poetics and other literary traditions.
- Apply digital humanities and linguistic tools in Sanskrit literary research.

Detailed Syllabus

Unit: I

Hour 11

Foundations of Sanskrit Poetry

- Survey of research done on the works of Ashvaghosa, Kalidasa, Bharavi, Magha, Shriharsa, Subandhu, Dandi and Banabhatta.

- Nature and scope of research in the works of Ashvaghosa, Kalidasa, Bharavi, Magha, Shriharsa, Subandhu, Dandi and Banabhatta.

Unit: II**Hour 11****Literary criticism of Sanskrit Poetry**

- To examine the characteristics of Mahakavya, Khandakavya, Gadyakavya, Champukavya etc. in Sanskrit poetry.
- Identification of Rasa, Alankara, Riti, Dhvani, Vakrokti and Auchitya in Sanskrit Poetry.

Unit: III**Hour 11****Traditional trends for criticism Sanskrit Poetry**

- Critical, cultural, historical, literary, grammatical, Philosophical, Dharmashastric and linguistic.

Unit: IV**Hour 12****Innovation and Interdisciplinary Approaches**

- Post-independence research trends in Sanskrit Poetry.
Nationalism, freedom, women empowerment, social justice, science and technology, environment, human values
- Influence of modern and western literary theories and aesthetics on Sanskrit Poetry.

Tutorial

- Survey
- Research Paper writing
- Group Discussion
- Paper presentation

Essential/Recommended Readings/Texts**Essential Readings:**

1. **Bharata** – *Nāṭyaśāstra* (Rasa theory)
2. **Ānandavardhana** – *Dhvanyāloka* with *Locana* commentary by Abhinavagupta
3. **Mammaṭa** – *Kāvyaprakāśa*
4. **Kuntaka** – *Vakroktijīvitā*
5. **Viśvanātha Kavirāja** – *Sāhityadarpaṇa*
6. **Jagannātha Paṇḍita** – *Rasagaṅgādhara*
7. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
8. द्विवेदी, रहस्यविहारी – नव्यकाव्यतत्त्वमीमांसा – अक्षयवट प्रकाशन, २६ बलरामपुर हाउस, प्रयागराज, उत्तर प्रदेश – प्रथम संस्करण – २०२४

Recommended Readings/Texts

1. K. Krishnamoorthy – *Essays in Sanskrit Criticism*
2. P. V. Kane – *History of Sanskrit Poetics*
3. S. K. De – *History of Sanskrit Poetics* (Vol. I & II)
4. Edwin Gerow – *Aesthetic Experience in Sanskrit Literary Theory*
5. Kapil Kapoor – *Language, Linguistics and Literature: The Indian Perspective*
6. V. K. Chari – *Sanskrit Criticism*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research Trends and Innovations in Nāṭyaśāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends and Innovations in Nāṭyaśāstra	04	3	1	0	Nil	Nil

Learning Objectives

1. To introduce students to major research traditions and emerging trends in the study of Nāṭyaśāstra and Indian dramaturgy.
2. To Develop a critical understanding of classical dramaturgical theories in the light of modern scholarship.
3. To Familiarize learners with interdisciplinary, textual, and applied research approaches in Indian dramaturgy.
4. To Encourage analytical and methodological engagement with performance-based, comparative, and contemporary interpretations of Nāṭyaśāstra.

Learning Outcomes

After completing this course, students will be able to:

1. Students will be able to Identify major research trends interpretation in Nāṭyaśāstra studies.
2. Students will critically evaluate traditional commentaries, critical editions, and modern research writings.
3. Students will apply interdisciplinary and methodological tools to the study of Sanskrit dramaturgy.
4. Students will gain the ability to Analyze contemporary theatrical and performance practices through Nāṭyaśāstric frameworks.
5. Students will demonstrate basic research aptitude, academic writing skills, and ethical awareness in dramaturgical studies.
6. Students will apply various Nāṭyaśāstric theories to analyze Rupaks and Uprupaks

Detailed Syllabus

Unit: I

Hour 11

Nature and Scope of Research in Nāṭyaśāstra

Meaning and Concept of Research

- Research as systematic and critical inquiry

- Research traditions in Śāstric studies: Indian and modern perspectives

Scope of Research in Nāṭyaśāstra

- Nāṭyaśāstra as a multidisciplinary text: aesthetics, performance, music, sociology, and culture etc.
- Major areas of research: Rasa–Bhāva theory, Abhinaya ,Dramaturgy. and plot-structure, Stagecraft and theatrical conventions etc.

Types of Research in Nāṭyaśāstra

- Text-based research (Śāstra and Rūpaka texts)
- Performance-oriented and practice-based research
- Historical, analytical, and interpretative research

Unit: II

Hour 11

Identification of Research Problems and Sources and Tools of Research

Identification of Research Problems

- Selection of research topics from Nāṭyaśāstric texts and Sanskrit dramatic literature,
- Review of previous research works on Nāṭyaśāstric texts and Sanskrit Rupakas and uparupakas.

Sources of Research

Primary Sources

- Nāṭyaśāstra and allied dramaturgical texts
- (Abhinavabhāratī, Daśarūpaka, Nāṭyadarpaṇa, Bhāvaprakāśana Sāhityadarpaṇa etc.)
- Sanskrit dramatic texts (Nāṭaka, Prakaraṇa, and other Rūpakas)
- Manuscripts and critical editions

Secondary Sources

- Commentaries and sub-commentaries
- Modern research works, journals, encyclopedias, and dissertations

Research Tools

- Dictionaries, concordances, indices, and glossaries
- Digital databases, online repositories, and manuscript archives

Unit: III

Hour 11

Manuscriptology and Textual Criticism in Nāṭyaśāstra

Manuscript Tradition of Nāṭyaśāstra

- Transmission of texts and textual variations
- Problems of interpolation, omission, and recension

Manuscript Tradition of Nāṭyaśāstra

- Collection and classification of manuscripts
- Textual criticism and evaluation of variant readings
- Establishment of an authentic and reliable text

Critical Edition of the Nāṭyaśāstra by Ramakrishna Kavi

- Manuscript base and editorial principles

- Integration of traditional scholarship and modern textual criticism
- Contribution of Ramakrishna Kavi's edition to Nāṭyaśāstra research and interpretation

Unit: IV**Hour 12****Methodology, Research Writing, and Contemporary Directions****Methodological Approaches in Dramatic and Performance Studies**

- Textual and philological methods: close reading of sūtras and kārikās
- Comparative method:
 - Nāṭyaśāstra and later dramaturgical texts
 - Sanskrit drama and modern Indian theatre
- Performance-oriented research:
 - Performance as text
 - Fieldwork, observation, and documentation
- Interdisciplinary approaches: aesthetics, anthropology, sociology, semiotics

Research Writing and Documentation

- Research design: formulation of research questions and hypotheses
- Structure of research work: chapters and methodology
- Academic writing, citation styles, referencing
- Use of transliteration and diacritical marks

Research Ethics and Contemporary Trends

- Plagiarism and academic integrity
- Ethical issues in performance and field-based research
- Contemporary research trends

Tutorial

- Doubt solving classes.
- Development of writing research paper skills in Sanskrit on Nāṭyaśāstra and dramatic literature.
- Learning to collect materials related to research studies
- Research Paper Presentation
- Analytical Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. Kothari, C.R. Research Methodology: Methods and Techniques.
2. Mohanty, J.N. Reason and Tradition in Indian Thought.
3. APA or MLA Manual (for citation and ethics guidelines)
4. Ramachandra Rao, S.K. Research Methodology in Indian Philosophy
5. UGC Regulations on "Promotion of Academic Integrity and Prevention of Plagiarism (2018)"
6. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, २०१०

7. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, २००८
8. शोधध्ययनप्रबोधप्रविधि, रहस बिहारी द्विवेदी,
9. Bharata – Nāṭyaśāstra with Abhinavabhāratī of Abhinavagupta (Critical portions relevant to Rasa, Abhinaya and Dramaturgy)
10. Ramakrishna Kavi (Ed.) – Nāṭyaśāstra (Critical Edition; manuscript-based scholarly edition)
11. Ghosh, Manomohan (Translator). The Nāṭyaśāstra: A Treatise on Hindu Dramaturgy and Histrionics.
12. Dhanañjaya – Daśarūpaka with Avaloka of Dhanika
13. Rāmacandra–Guṇacandra – Nāṭyadarpaṇa
14. Kapila Vatsyayan. Classical Indian Dance in Literature and the Arts. Sangeet Natak Akademi, 1968.
15. Kapila Vatsyayan. Bharata: The Nāṭyaśāstra. Sahitya Akademi, 1996.2023
16. Raghavan, Venkatarama .The Nāṭyaśāstra and the Indian Dramatic Tradition. The Adyar Library and Research Centre, 1978.
17. Keith, A.B. The Sanskrit Drama, Oxford University Press, 1964.
18. Theatrical Aspects of Sanskrit Drama - G. K. Bhatt, Bhandarkar Research institute Pune, 1983
19. भरत मुनि, नाट्यशास्त्र अभिनवभारती सहित. सम्पादक, पारसनाथ द्विवेदी, सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2001
20. अग्रवाल, प्रभु दयाल .भरत का नाट्यशास्त्र और उसकी परंपरा. राजकमल प्रकाशन, नई दिल्ली।
21. कीथ, ए.बी. संस्कृतनाटक (अनु. उदयभानु सिंह), मोतीलाल बनारसीदास, दिल्ली, 1965.
22. राधावल्लभ त्रिपाठी. संस्कृत नाटक और रंगमंच. राष्ट्रीय संस्कृत संस्थान, नई दिल्ली।
23. राधावल्लभ त्रिपाठी. अभिनय और नाट्यशास्त्र. साहित्य अकादमी, नई दिल्ली।

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Research Trends in Itihāsa-Purāṇic literature

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends in Itihāsa-Purāṇic literature	04	3	1	0	Nil	Nil

Learning Objectives

- To introduce students to the contemporary research trends in the study of Rāmāyaṇa, Mahābhārata and Purāṇic literature.
- To analyze the methodological innovations and interdisciplinary approaches used in current scholarship.
- To explore comparative, critical and cultural dimensions of Itihāsa–Purāṇa studies.
- To encourage independent research based on new theoretical perspectives, manuscripts, and digital tools.
- To understand the evolution of interpretative traditions, regional adaptations, and modern retellings.

Learning Outcomes

By the end of the course, students will be able to:

- Identify key areas of modern research on Rāmāyaṇa, Mahābhārata and Purāṇas.
- Evaluate traditional and modern methodologies in Itihāsa–Purāṇa studies.
- Apply innovative research tools such as textual criticism, comparative mythology, and digital humanities.
- Conduct original research integrating classical and modern interpretive frameworks.
- Appreciate the continuing cultural and philosophical relevance of these texts in modern scholarship.

Detailed Syllabus

Unit: I

Hour 11

Historical and Research Background

- Overview of Itihāsa–Purāṇa literature: origin, development, and classification.
- Traditional commentaries and interpretations.

- Historical development of research on Itihāsa–Purāṇa literature.
- Itihāsa–Purāṇa literature as a resource of Historical, Cultural, Philosophical, Epigraphical and Archaeological researches

Unit: II**Hour 11****Survey and scope in research on Rāmāyaṇa**

- Survey of researches on Rāmāyaṇa.
- Comparative studies of Vālmīki, Anand, Adhyatm and Adbhut Rāmāyaṇa.
- Interdisciplinary research scope of Rāmāyaṇa like Epigraphical, Archaeological and Historical correlations.
- Objections and solutions regarding interpolations in Rāmāyaṇa.

Unit: III**Hour 11****Survey and scope in research on Mahābhārata**

- Survey of research on Mahābhārata.
- Evolution of Mahābhārata research: critical editions and recension studies.
- Ethical, political, and philosophical dimensions of Mahābhārata in modern interpretation.
- Relevance of Mahābhārata in the present era.

Unit: IV**Hour 12****Survey and scope in research on Purāṇic Literature**

- Survey of researches on Purāṇic literature.
- Historical development of Purāṇic studies: classification and textual diversity.
- Genealogical, cosmological, and mythological research trends.
- Sociological and anthropological approaches to Purāṇic narratives.
- Innovative research on sectarian (Vaiṣṇava, Śaiva, Śākta) Purāṇas.
- Contemporary reinterpretations and global reception of Purāṇic literature.

Tutorial

- Survey
- Research Paper writing
- Group Discussion
- Paper presentation

Essential/Recommended Readings/Texts**Essential Readings:**

1. **V. S. Sukthankar et al.** – *The Critical Edition of the Mahābhārata* (Bhandarkar Oriental Research Institute)
2. **G. H. Bhatt et al.** – *The Critical Edition of the Vālmīki Rāmāyaṇa* (Baroda)
3. **Ludo Rocher** – *The Purāṇas* (A History of Indian Literature Series)

4. **V. Raghavan** – *The Great Epics of India: Character and Culture*
5. **R. N. Dandekar (ed.)** – *The Mahābhārata Reinterpreted: Essays on Its Growth and Meaning*

Recommended Readings/Texts

1. **A. Macdonell** – *A History of Sanskrit Literature*
2. **M. Winternitz** – *A History of Indian Literature*, Vol. I & II
3. **P. V. Kane** – *History of Dharmaśāstra* (for Purāṇic references)
4. **Sheldon Pollock (ed.)** – *Rāmāyaṇa and Political Imagination in India*
5. **Wendy Doniger** – *The Purāṇas and Hindu Mythology*
6. **K. Ramanujan** – *Three Hundred Rāmāyaṇas: Five Examples and Three Thoughts on Translation*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Research in Sanskrit Grammar

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Sanskrit Grammar	04	3	1	0	Nil	Nil

Learning Objectives

- To understand the historical development and major schools of Sanskrit Grammar, especially Pāṇinian and post-Pāṇinian traditions.
- To explore contemporary research trends and methodologies applied to the study of Vyākaraṇa.
- To examine the intersections of Sanskrit Grammar with linguistics, computational studies, and philosophy of language.
- To encourage innovative thinking and application of modern tools and technologies in Sanskrit grammatical research.
- To cultivate critical and analytical skills for evaluating classical grammatical texts in the light of new research paradigms.

Learning Outcomes

After completing this course, learners will be able to:

- Demonstrate a comprehensive understanding of traditional and modern perspectives on Sanskrit Grammar.
- Analyze current research trends, innovations, and interdisciplinary approaches in Vyākaraṇa studies.
- Apply linguistic and digital methodologies for research in Sanskrit Grammar.
- Develop innovative research proposals integrating classical and modern frameworks.
- Critically assess scholarly works and contribute to contemporary discussions in the field of Sanskrit linguistics and grammar.

Detailed Syllabus

Unit: I

Hour 11

Historical and Theoretical Foundations

- Development of Sanskrit Grammar: Pre-Pāṇinian, Pāṇinian, and post-Pāṇinian stages.
- Overview of grammatical schools: Pāṇini, Kātyāyana, Patañjali, Bhartṛhari, and later commentators.

- Review of major research publications, dissertations, and projects on Sanskrit Grammar.
- Identification of research gaps and emerging areas.

Unit: II**Hour 11****Trends in Modern Research on Sanskrit Grammar**

- Post-independence developments in Vyākaraṇa studies.
- Major research contributions from Indian and international scholars.
- Analytical studies of grammatical commentaries and sub-commentaries.
- Trends in linguistic analysis: phonology, morphology, syntax, and semantics in Sanskrit.
- Application of structuralist and post-structuralist theories to Sanskrit Grammar.

Unit: III**Hour 11****Innovation and Interdisciplinary Approaches**

- Interface between Sanskrit Grammar and modern linguistics.
- Vyākaraṇa and philosophy of language—relation to cognition, logic, and communication.
- Cross-cultural linguistic studies and comparative grammar.

Unit: IV**Hour 12****Research Methodology and Future Directions**

- Techniques for critical analysis, translation, and interpretation of grammatical texts.
- Use of digital databases and tools for Sanskrit research (e.g., Sanskrit Heritage Platform, GRETIL, SARIT).
- Proposal writing and presentation of innovative research in Vyākaraṇa.

Tutorial

- Textual Analysis Workshop
- Sutra-parsing and metarules (paribhasha) Application
- Dhatu Research Assignment
- Karaka-vibhakti Field Analysis
- Seminar Presentation Themes

Essential/Recommended Readings/Texts**Essential Readings:**

1. **Pāṇini:** *Aṣṭādhyāyī* (with commentaries of Kātyāyana and Patañjali).
2. **Bharṭṛhari:** *Vākyapadīya* (with commentaries of Helārāja).
3. Deshpande, Madhav. *Sanskrit and Prakrit: Sociolinguistic Issues*.
4. Cardona, George. *Pāṇini: A Survey of Research*.
5. Joshi, S.D., and Roodbergen, J.A.F. *Patañjali's Vyākaraṇa Mahābhāṣya: An Analytical Study*.

6. Kiparsky, Paul. *Paninian Linguistics and Modern Linguistic Theory*.
7. Houben, Jan E.M. *Studies in the Sanskrit Tradition of Linguistics and Grammar*.
8. Sharma, Raghunath. *Ųyākarāṇa-darśana: Ek Adhyayana*.
9. Goyal, Suresh & Sharma, Kapil (Eds.). *Recent Trends in Sanskrit Grammar and Linguistics*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Research in Sanskrit Computational Linguistics

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Sanskrit Computational Linguistics	04	3	0	1	Nil	Nil

Learning Objectives

The learning objectives of research in Sanskrit Computational Linguistics are primarily a blend of applying computational methods to Sanskrit texts and leveraging the insights from traditional Pāṇinian grammar for the advancement of general linguistic theory and AI/Natural Language Processing (NLP). The fundamental objective is to develop and apply computational techniques to process and analyze the vast Sanskrit literature.

Learning Outcomes

By the end of this course, the students will be able to:

- Do the Computational Analysis of Sanskrit Texts.
- Apply the advancing linguistic theory to the SCL research.
- Building Practical Applications and Tools for Sanskrit.
- Creating digital resources for Sanskrit.

Detailed Syllabus

Unit: I

Hours: 11

Sanskrit Language Analyzer and Generator

Morphological Analyzers and Generators

Sandhi, Samamsa etc.

Machine Translation (MT)

Unit: II

Hours: 12

Optical Character Recognition (OCR)

Text Digitization and Search for Sanskrit:

Tools and techniques for creating and managing large-scale Sanskrit digital texts

Information Retrieval and Concept Mining in Sanskrit Texts

- Introduction to Information Retrieval: scope, principles, and relevance for classical Sanskrit literature.
- Basics of Concept Mining: definition, methodologies and stages
- Overview of digital Sanskrit corpora, lexical resources, and text repositories
- Data arrangement and tagging
- Role of metadata, ontology, and semantic annotation in Sanskrit e-resource
- Challenges in Information Retrieval and Concept Mining

Unit: III**Hours: 11****Speech Technology for Sanskrit**

Traditional Indian Linguistics: Study of Śikṣā (phonetics) and Vyākaraṇa (grammar), including key texts and their relevance to modern computational approaches

Sanskrit Computational Phonetics and Phonology**Speech Recognition and Synthesis**

Acoustic Phonetics: Understanding the physical properties of Sanskrit sounds (dhvani) and their production mechanisms (uccāraṇa).

Speech Recognition: Principles of Automatic Speech Recognition (ASR), including acoustic modeling, phonetic libraries for Sanskrit, and challenges specific to the language.

Speech Synthesis (Text-to-Speech): Techniques for building systems that can generate natural-sounding Sanskrit speech from text input.

Unit: IV**Hours: 11****AI, Chatbot and Sanskrit:**

Exploring the applicability of Sanskrit grammar to contemporary artificial intelligence (AI) and natural language processing (NLP) models, a topic of significant recent discussion.

Chatbot Tool for Sanskrit Shashtras

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. <https://www.tutorialspoint.com/python>
2. <https://www.w3schools.com/python/>
3. <https://docs.python.org/3/tutorial/index.html>
4. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
5. <https://www.javatpoint.com/python-tutorial>
6. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
7. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.

8. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
9. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
10. Aamer Y. Khan, *Python Programming Language with Python Project*, Code Academy, 2024
11. Mehto, D. (Ed.). (2015). *Pāṇinīya-Śikṣā: Vistrit Śodhpūrṇa Hindi Vyākhyā*. Motilal Banarsidass. ISBN 978-8120823853
12. Ghosh, M. (1938). *Paniniya Shiksha (or the Siksha-Vedanga ascribed to Pāṇini): Critically edited in all its five recensions with an introduction, translation & notes together with its two commentaries*. University of Calcutta Press.
13. Śāstrī, B. S. (2017). *Laghu Siddhānta Kaumudī – Bhaimi Vyākhyā* (Set of 6 vols.). Delhi: Bhaimi Prākāśan.
14. Allen, W. Sidney. *Phonetics in Ancient India*. Oxford UP, 1973.
15. Bhat, D. N. S. *Indian Linguistic Studies*. Motilal Banarsidass, 1999.
16. Cardona, George. *Panini: His Work and Its Traditions*. Motilal Banarsidass, 1997.
17. Deshpande, Madhav M. *Sanskrit and Prakrit: Sociolinguistic Issues*. Motilal Banarsidass, 1993.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Research Trends in Dharmaśāstras

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends in Dharmaśāstras	04	3	1	0	Nil	Nil

Learning Objectives

This paper introduces students to the major trends in research on *Dharmaśāstra* literature, covering textual criticism, historical development, comparative jurisprudence, and socio-ethical interpretation. It emphasizes the evolution of dharma as a legal, moral, and philosophical concept, exploring both classical sources and contemporary scholarship.

Learning Outcomes

By the end of this course the students will be able to:

- **Analyze research trends and methodologies** applied to Dharmaśāstra studies in both traditional and modern academic contexts.
- **Interpret Dharmaśāstric concepts** such as *Dharma*, *Vyavahāra*, *Ācāra*, and *Prāyaścitta* in relation to contemporary social, ethical, and legal frameworks.
- **Employ comparative and interdisciplinary approaches** linking Dharmaśāstra with jurisprudence, sociology, and gender studies.
- **Develop independent research proposals** demonstrating textual, analytical, and interpretative skills grounded in primary sources.

Detailed Syllabus

Unit: I Hours: 11

Introduction to Research Approaches in Dharmaśāstra

Understanding Dharmaśāstra as a Research Field
Nature and Sources of Dharmaśāstra Research
Relevance of Dharmaśāstra research in the modern academic and interdisciplinary context: legal, ethical, and social thought.

Unit: II Hours: 12

Modern Research Approaches and Methodologies

Historical Approach: Tracing the evolution of Dharmaśāstric thought and institutions.

Philological Approach: Studying language, textual variants, and commentarial traditions.

Comparative Approach: Comparing Dharmaśāstra with Western jurisprudence and ethics.

Sociological Approach: Examining social customs, duties, and legal practices in context.

Hermeneutic Approach: Interpreting Dharmaśāstra as a system of moral reasoning and meaning.

Unit: III**Hours: 11****Thematic Research Areas in Dharmaśāstras**

Jurisprudence: Concepts of justice (Nyāya), punishment (Daṇḍa), and evidence (Pramāṇa)

Sociology: Social order and Institutes (Varṇāśrama-dharma)

Labour studies

Women, inheritance, and family law in Dharmaśāstra research

Environmental and ecological dharma in recent studies

Intersections of Dharmaśāstra with Arthaśāstra and Nītiśāstra

Unit: IV**Hours: 11****Contemporary Trends, and Interdisciplinary Approaches**

Dharmaśāstra in modern legal and ethical discourse

Dharmaśāstra in labour and policy discourse

Comparative study of Dharmaśāstra and Western legal systems

Relevance of Dharmaśāstra in Indian Constitution and customary law

Dharmaśāstra and sociology: social control, justice, and reform

Emerging research: gender, caste, and reform movements

Computational Linguistics: digital archiving, indexing, mining, TTS, lexicography

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. Kane, P.V. *History of Dharmaśāstra*, Vols. I–V.
2. Lingat, Robert. *The Classical Law of India*.
3. Olivelle, Patrick. *Manu's Code of Law: A Critical Edition and Translation*.
4. Lariviere, Richard. *The Nāradaśmṛiti: Translation and Study*.
5. Bühler, Georg. *The Laws of Manu*.
6. Rocher, Ludo. *Studies in Hindu Law and Dharmaśāstra*.
7. Werner Menski. *Hindu Law: Beyond Tradition and Modernity*.
8. Pandurang Vaman Kane. *Dharmaśāstra kā Itihāsa*.

9. Patrick Olivelle & Donald Davis (Eds.). *Hindu Law: A New History of Dharmaśāstra*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Trends and Innovations in Indian Epigraphy

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Trends and Innovations in Indian Epigraphy	04	3	1	0	Nil	Nil

Learning Objectives

This paper aims to introduce students to the major research studies in Indian epigraphy, with a particular focus on Sanskrit inscriptions. It seeks to familiarize them with the evolution of epigraphical research, tracing its development from early explorations to contemporary scholarly trends. The course examines how inscriptions and coins have been employed as primary sources in historical and socio-cultural studies, shedding light on various aspects of India's past. Furthermore, it enables students to critically evaluate published research, assess methodological approaches and identify existing gaps to inspire meaningful and innovative future research in the field of Indian epigraphy.

Learning Outcomes

By the end of the course, students will be able to:

- Survey and categorize major research work in Sanskrit epigraphy across India.
- Analyze the contributions of epigraphical studies to understanding history, literature and society.
- Identify methodological approaches used in research.
- Critically assess research publications and develop skills for independent research projects.
- Appreciate the importance of documentation and interdisciplinary approaches.

Unit-wise Syllabus

Unit I: Introduction to Epigraphical Research

11 hours

- Definition and its scope.
- History of epigraphical research.
- Formulating research questions and objectives.
- Identifying primary and secondary sources.

Unit II: Trends of Regional Dynasties **11 hours**

- Methods of collecting inscriptions and coins.
- Fieldwork and site survey.
- Conservation and handling of damaged inscriptions and coins.
- Contribution of various Indologists.

Unit III: Different Research Approaches **11 hours**

- Paleographical studies.
- Contextual interpretation.
- Comparative analysis of various languages.
- Critical review of editions and secondary sources.

Unit IV: Contemporary Trends in Research **12 hours**

- Editing and publishing of inscriptions and coins.
- Interdisciplinary approaches between Epigraphy and Numismatics.

Tutorial Activities

- Field based observational activity.
- Comparative study.
- Writing assignments.
- Learning to collect materials based on the research studies. .
- Transcription practice of inscriptions
- Reading and review of research articles.

Essential/Recommended Readings/Texts

Essential Readings:

1. Altekar, A. S. The Coinage of the Gupta Empire.
2. Annual reports of the Archaeological Survey of India.
3. Dani, Ahmad Hasan. Indian Palaeography. 2 vols., 1963–1966.
4. Different volumes of Epigraphia Indica.
5. Gopinath, R. Sanskrit Epigraphy in India: Trends and Perspectives. Journal of Indological Studies, 2022.
6. Mahajan, V. D. Ancient Indian Coins.
7. Salomon, Richard. Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit and Other Indo-Aryan Languages. Oxford University Press, 1998.
8. Sircar, D.C. Indian Epigraphy. Motilal Banarsidass, Delhi, 1965.
9. Sircar, D. C. Studies in Indian Coins.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Research Trends and Survey in Indian Manuscriptology

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends and Survey in Indian Manuscriptology	04	3	1	0	Nil	Nil

Learning Objectives

This course introduces students to Indian manuscriptology and explains why manuscripts are important for preserving our literary, philosophical and religious heritage. It gives a basic overview of how scholars study manuscripts and the main research trends in this field. Students learn how manuscripts help us understand history, language, literature and cultural aspects. The course also encourages them to read manuscript catalogues, edited texts and research articles so that they can understand manuscripts in a simple and clear way.

Learning Outcomes

After completing the course, students will be able to:

- Identify major manuscript repositories in India and abroad and understand their cataloguing systems.
- Recognize important manuscripts in Sanskrit and other Indian languages.
- Analyze manuscripts for palaeographic approaches.
- Survey the evolution of research methodologies in manuscript studies.
- Critically evaluate published research and identify areas for future study.

Unit-wise Syllabus

Unit I: Introduction to Indian Manuscriptology

12 Hours

Definition and its significance.

Types of manuscripts.

Material diversity in Indian manuscripts.

Overview of major manuscript repositories.

Unit II: Historical Development

11 Hours

Study of research traditions.
Contributions of scholars.
Survey of catalogues and critical editions.
Evolution of textual criticism and palaeographical studies.

Unit III: Various Research Approaches	11 Hours
Paleographical research. Thematic studies. Relationship between epigraphy, numismatics and manuscriptology. Digital tools and databases.	

Unit IV: Contemporary Trends	11 Hours
Script evolution and its impact on Manuscriptology. Interdisciplinary approaches between Manuscriptology and Palaeography. Ethical issues. Survey of recent journals and periodicals.	

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts
Essential Readings:

1. Pandit Haraprasad Shastri, Bibliotheca Indica Series.
2. Sharma, R. C. Indian Manuscripts: A Survey. New Delhi: Vishveshvaranand Institute, 1980.
3. Katre, S.M. Introduction to Sanskrit Manuscripts. 1963.
4. Chattopadhyaya, Debiprasad. Manuscripts and Their Research. 1975.
5. Mukherjee, Sujit. The Idea of Sanskrit Manuscript Studies in India. 1986.
6. A.B. Keith, The Sanskrit Manuscripts of the Asiatic Society of Bengal.
7. Rao, P. V. Preservation and Conservation of Indian Manuscripts. 2000.
8. Pandey, R. Digitization and Manuscriptology: New Trends. 2018.
9. Sircar, D. C. Indian Epigraphy.
10. Ojha, G. H. Bharatiya Palaeography (Bharatiya Lipimala).
11. Goyal, S. R. A History of Indian Palaeography.
12. Pandey, Rajbali. Indian Palaeography.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Research Methodology in Jyotish Śāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Methodology in Jyotish Śāstra	04	3	1	0	Nil	Nil

Learning Objectives

1. To understand the fundamental principles and scope of research in Jyotish Śāstra.
2. To develop methodological skills for conducting authentic and systematic research in traditional and modern contexts of Jyotish Śāstra.
3. To explore interdisciplinary approaches linking Jyotish with astronomy, mathematics, psychology and cultural studies.
4. To train students in source analysis, data collection and hypothesis formulation based on classical Jyotish Śāstra texts.
5. To encourage innovative research integrating traditional Jyotiṣa knowledge with contemporary scientific methods and technologies.

Learning Outcomes

After completing the course, students will be able to:

- Identify and apply suitable research methodologies in the study of Jyotish Śāstra.
- Critically analyze primary sources such as Bṛhat Parāśara Horā Śāstra, Sūrya Siddhānta, and Jātaka Pārijāta etc.
- Formulate research questions and hypotheses relevant to the field of Jyotish.
- Employ qualitative and quantitative tools to interpret astrological data.
- Produce scholarly research papers adhering to academic standards in Jyotish research.
- Integrate modern scientific tools (software, statistical analysis, digital archives) into Jyotish-based studies.

Unit-wise Syllabus

Unit I: Fundamentals of Research in Jyotish Śāstra

12 Hours

Nature, scope and purpose of research in Jyotish Śāstra.

Types of research as textual, analytical, comparative etc. in Jyotish Śāstra.

Importance of interdisciplinary studies with Jyotish Śāstra to another subject.
Defining problems, objectives and hypotheses in Jyotish research.

Unit II: Sources and Tools of Research in Jyotish Śāstra

11 Hours

Primary sources: Vedāṅga Jyotiṣa, Bṛhat Parāśara Horā Śāstra, Sūrya Siddhānta, Jātaka Pārijāta, Phaladīpikā.

Secondary sources: commentaries, modern research papers and digital repositories.

Data collection methods: horoscopes, astronomical charts and regional case studies.

Use of software and computational tools in astrological research.

Citation methods and referencing in Jyotish Śāstra research and modern research formats.

Unit III: Methodological Approaches

11 Hours

Textual criticism and hermeneutics in Jyotish Śāstra texts.

Comparative and historical research methods in Jyotish Śāstra.

Quantitative and qualitative analysis in astrological research.

Correlation of planetary configurations with empirical data.

Ethics, authenticity and accuracy in Jyotish research.

Unit IV: Modern Trends and Innovation in Jyotish Research

11 Hours

Integration of Jyotish Śāstra with modern sciences.

Contemporary research themes: medical astrology, meteorological astrology and socio-cultural astrology etc.

Digital humanities and Jyotish databases.

Research paper writing, documentation, and publication standards.

Future directions and challenges in Jyotish Śāstra research.

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts

Essential Readings:

1. भारतीय ज्योतिषशास्त्र का इतिहास-गोरखप्रसाद, हिन्दी संस्थान, लखनऊ, 1974
2. भारतीय ज्योतिषशास्त्र का इतिहास-नेमिचंद्रशास्त्री, भारतीयज्ञानपीठ, नई दिल्ली, 1970
3. भारतीय ज्योतिषशास्त्र का इतिहास- शंकर बालकृष्ण दीक्षित (अनु.), शिवनाथ झारखण्डी, हिन्दी संस्थान, लखनऊ, 1975
4. बृहद्वास्तुमाला, रामनिहोरद्विवेदी द्वारा संगृहीत तथा हिन्दी भाषा में अनूदिता ब्रह्मानन्द ँपं - त्रिपाठी द्वारा संशोधित व सम्पादित चौखम्बा सुरभारती प्रकाशन, वाराणसी 1987
5. बृहत्संहिता, व्याख्याकार, श्री अच्युतानन्द झा, चौखम्बा विद्याभवन, वाराणसी 1983
6. शुक्ल, द्विजेन्द्रनाथ, भारतीय वास्तुशास्त्र और प्रतिमा विज्ञान, लखनऊ 1967
7. चतुर्वेदी, शुक्लदेव भारतीय वास्तुशास्त्र - वर्तमान सन्दर्भ में समग्र परिशीलन श्री लालबहादुरशास्त्री राष्ट्रीय संस्कृत विद्यापीठ ग्रन्थमाला, पुष्प-६६, नई दिल्ली 2004
8. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, 2010
9. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, 2008
10. History of Indian Astronomy - Sankar Balkrishna Dikshit, Government of India Book Dept, Calcutta, 1981

11. Brhāt Samhitā Varāhamihir, (in two vols.) Edited with English Translation by M. Ramakrishna Bhat, Motilal Banarasidass, Delhi, 1995
12. Shukla, D.N. Vāstu-śāstra, Hindu Science of Architecture (in two vols.), Shukla Printing Press, Lucknow, 1960
13. UGC Regulations on "Promotion of Academic Integrity and Prevention of Plagiarism (2018)"

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

Semester IV**Credit 22****DSC-9: Sanskrit Grammar: Laghusiddhāntakaumudī-2****Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sanskrit Grammar: Laghusiddhāntakaumudī-2	04	3	1	0	Nil	Nil

Learning Objectives

This course intends to equip the students with the knowledge of derivational processes of some basic Sanskrit Morphological words, based on the selected portions from the sections of declension and conjugation Pāṇinīan Sūtras as presented in the premier text of Laghusiddhantakaumudī. One of the important objectives of this course is to make the students acquainted with the techniques of Pāṇinīan grammar that will enable them to pursue the grammar of Pāṇinī on their own.

Learning outcomes

After the completion of this course the students will:

- know the structure of Aṣṭādhyāyī along with the operational techniques of Pāṇinī. This will enable them to understand the Sūtras of Pāṇinī without any derivational problem or syntactic gap.
- know the process of deriving the nominal forms under Pāṇinī's system. The learning of the derivational processes of the selected representative nominal words from all genders will give the students a thorough idea of Sanskrit declensions.
- equipped with the knowledge of the techniques of conjugation of Sanskrit roots, belonging to various Gaṇas.
- gain the knowledge of conjugating the prefixed roots of Sanskrit denoting various senses, e.g.- desiderative, causative, and intensive etc.
- know the application of Pāṇinī's Metarules, which will enable them to understand the techniques of the Indian Grammatical system in general.

Detailed Syllabus**Unit: I****Hours: 11****Laghusiddhāntakaumudī: kṛdantaprakaraṇā**

Kṛtya prakaraṇa

Pūrva kṛdanta

Unit: II**Hours: 12****Laghusiddhāntakaumudī: samāsaprakaraṇā**

Avyayībhāva

Tatpuruṣa
Bahubrīhi
Dvandva

Unit: III

Hours: 11

Laghusiddhāntakaumudī: taddhitaprakaraṇā
Tvataloradhikāra
Matvarthīya pratyaya

Unit: IV

Hours: 11

Laghusiddhāntakaumudī: stripratyaya

Tutorial Activities

- Learning of Derivational of kṛdanta
- Learning of Derivational of samāsa
- Learning of Derivational of taddhita
- Learning of Derivational of stripartaya
- Understanding and Applications of kṛdanta and samāsa forms

Essential/Recommended Readings/Texts

Essential Readings:

1. लघुसिद्धान्तकौमुदी, गीताप्रेस, गोरखपुर।
2. लघुसिद्धान्तकौमुदी, निर्णयसागरप्रेस, मुम्बई।

Additional Resources:

1. शास्त्री, भीमसेन, लघुसिद्धान्तकौमुदी, भैमी व्याख्या, भाग 1-6, भैमी प्रकाशन, दिल्ली।
2. कुशवाहा, महेशसिंह, लघुसिद्धान्तकौमुदी, भाग 1-2, चौखम्बा-दिल्ली।
3. शर्मा, गोविन्दप्रसाद. 2007. लघुसिद्धान्तकौमुदी, भाग 1-3, चौखम्बा प्रतिष्ठान-दिल्ली।
4. शास्त्री, धरानन्द. लघुसिद्धान्तकौमुदी, मूल व हिन्दी व्याख्या, मोतीलाल बनारसी दास दिल्ली।
5. सिंह, सत्यपाल. 2014. लघुसिद्धान्तकौमुदी, शिवालिक प्रकाशन-दिल्ली।
6. गौड़, विशनलाल. पाणिनीय अष्टाध्यायी के रचना-सिद्धान्त, लोकालोक प्रकाशन, साहिबाबाद (गा. बाद.)।
7. जिज्ञासु, पं. ब्रह्मदत्त, संस्कृत पठन-पाठन की अनुभूत सरलतम विधि की भूमिका, रामलाल कपूर ट्रस्ट, बहालगढ़, हरियाणा।
8. चन्द्रा, सुभाष, कुमार, भूपेन्द्र, कुमार, विवेक एवं साक्षी. 2017. लघुसिद्धान्तकौमुदी आधारित कम्प्यूटरकृत सुबन्तरूपसिद्धिप्रक्रिया. विद्यानिधि प्रकाशन, नई दिल्ली।
9. Kanschiram. 2010. The Laghusiddhantakaumudī of Varadaraja, volume I, II, Moti Lal Banarasidas, Delhi.
10. Sharma, Prof. Ramanath. Ashtadhyayi of Panini (vol.1)
11. Online tools for Sanskrit Grammar available at <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSC-10: Darśana: Sāṅkhya & Mīmāṃsā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Darśana: Sāṅkhya & Mīmāṃsā	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to introduce the students to the fundamental concepts and theories of Sāṅkhya & Mīmāṃsā, the two very important schools of Indian Philosophy, through the reading of the premier texts Sankhyakarika and Arthasangraha, respectively. The course aims to provide learners with a solid foundation in these two systems of thought.

Learning outcomes

Upon completing this course, students will:

- able to explain the stanzas and passages of Sankhyakarika and Arthasangraha and the fundamental concepts of Sankhya and Mimamsa philosophies in the lines of these two premier texts.
- Familiar with many important Sankhya and Mimamsa terminologies. able to elucidate the metaphysics and epistemology propounded by the Sankhya and Mimamsa philosophers.
- Familiar with different types of Vedic sentences and their purport. able to observe and explain the linguistic aspects of the mimamsakas.

Detailed Syllabus

Unit: I

Hour 11

सांख्यकारिका (ईश्वरकृष्ण)

दुःखत्रयवाद, प्रमाण, सत्कार्यवाद, प्रकृति का स्वरूप एवं सिद्धि, गुणत्रय

Unit: II

Hour 11

सांख्यकारिका (ईश्वरकृष्ण)

पुरुष का स्वरूप एवं सिद्धि, सृष्टिप्रक्रिया भौतिक-सर्ग एवं प्रत्यय-सर्ग, सूक्ष्म-शरीर, बन्ध एवं मोक्षा

Unit: III

Hour 11

अर्थसंग्रह (लौगाक्षिभास्कर)

धर्म, भावना, वेद की अपौरुषेयता, विधि, गुणविधि और विशिष्ट विधि, उत्पत्तिविधि, विनियोगविधि

Unit: IV**Hour 12**

अर्थसंग्रह (लौगाक्षिभास्कर)

प्रयोगविधि, अधिकारविधि, मन्त्र, नामधेय, निषेध एवं अर्थवाद, अपूर्वविधि और नियमविधि, परिसंख्याविधि तथा ग्रन्थ के शेष भाग का अध्ययन।

Tutorial Activities

1. Textual Reading & Explanation
2. Concept Mapping
3. Analytical Discussion
4. Comparative Study
5. Debate Session
6. Writing Assignment
7. Quiz & Oral Examination
8. Presentation
9. Research Extension
10. Interdisciplinary Connection

Essential Readings:

1. अर्थसंग्रह - लौगाक्षिभास्कर, हिन्दीव्याख्याकार - कामेश्वरनाथ मिश्र, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 1983
2. अर्थसंग्रह - लौगाक्षिभास्कर, हिन्दीव्याख्याकार - दयाशंकर शास्त्री, चौखम्बा विद्या भवन, वाराणसी।
3. अर्थसंग्रह - लौगाक्षिभास्कर, हिन्दीव्याख्याकार - वाचस्पति उपाध्याय, चौखम्बा ओरियन्टलिया, वाराणसी, 1977
4. अर्थसंग्रह - लौगाक्षिभास्कर, हिन्दीव्याख्याकार - डॉ. राजेश्वर शास्त्री मुसलगाँवकर, चौखम्बा संस्कृत संस्थान, वाराणसी, 2019
5. Arthsaṅgraha - Laugākṣibhāṣkara, Ed. & trans. - A.B. Gajendragadkar & R.D. Karmarkar,
6. Bhandarkar Oriental Research Institute, Poona, 1973
7. सांख्यकारिका - ईश्वरकृष्ण, व्याख्याकार - ब्रजमोहन चतुर्वेदी, नेशनल पब्लिशिंग हाउस, दिल्ली, 1988
8. सांख्यकारिका - ईश्वरकृष्ण, व्याख्याकार - विमला कर्णाटक, चौखम्बा ओरियन्टलिया, वाराणसी, 1984
9. सांख्यकारिका - ईश्वरकृष्ण, व्याख्याकार - राकेश शास्त्री, संस्कृत ग्रन्थागार, दिल्ली, 2004

Additional Resources:

1. मुसलगाँवकर, गजाननशास्त्री — मीमांसा दर्शन का विवेचनात्मक इतिहास, चौखम्बा विद्या भवन, वाराणसी
2. Dasgupta, S.N. - History of Indian Philosophy, Cambridge University Press, Cambridge, 1966
3. Deussen, Paul - Philosophy of Upanishads, Education Enterprise, Calcutta, 1972
4. Hiriyanna, M. - Outline of Indian Philosophy, London, 1951
5. Larson, G.J. - Classical Sāṃkhya, M.L.B.D., Delhi, 2001
6. Pandey, R.C. - Panorama of Indian Philosophy, M.L.B.D., Delhi, 1966
7. Radhakrishnan, S. - Indian Philosophy, Blackie & Sons, Bombay, 1977
8. Upadhyaya, Vachaspati - Mīmāṃsādarśanavimarśaḥ, Bhartiya Vidya Prakashan, Delhi, 1976

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

2. Discipline-Specific Elective (DSE): Any 02 from pool Credits08

DSE-7: Vedavyākhyā & Surveys on Vedic Commentaries

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vedavyākhyā & Surveys on Vedic Commentaries	04	3	1	0	Nil	Nil

Learning Objectives

The course is intended to be an exposition of the Indian and Western traditions of the Vedic interpretation. It introduces thoughts and literary works of some of the well-known ancient and modern Vedic commentators. This course also provides the knowledge of the surveys on the research works conducted by the different Indian and Western scholars on different Vedic interpretations. Another objective of the course is to know the different Vedic Research Institutions and their significant contributions.

Learning outcomes

After completion of this course, the students:

- will have a clarity about the Vedic wisdom and Vedic concepts.
- will know about certain aspects involved in the interpretation of Vedic verses.
- will be able to explain various theories of interpretations according to some important ancient, and modern Indian commentators.
- will be able to understand the role of few selected western scholars in the field of Vedic literature and interpretation.
- will be able to know the Vedic Researches conducted on different Vedic Commentators.
- will be able to know the contribution of Vedic Research Institutions.
- will be able to write a research paper on commentary style of the commentators.

Detailed Syllabus

Unit: I

Hour 11

- Veda Vyākhyāna Paramparā
- Ancient Bhāratiya Vedic Commentators: Skandaswāmī, Venkaṭṭamādhava, Uvaṭa, Halāyudha, Sāyaṇa, Mahīdhara

Unit: II

Hour 11

Modern Vedic Commentators:

- Swāmī Dayānanda Saraswatī, Pt. Madhusūdan Ojā, Śrīpāda Dāmodar Sātavalekar, Śrīmad Aurobindo, T. V Kapāli Śāstri, Swāmī Vidyānanda Videha, Pt. Hariśaraṇa Siddhāntāṅkāra, Swāmī Karapātra Mahārāja, R N Dāṇḍekar.

Unit: III**Hour 11**

Western Vedic Scholars:

- H H Wilson, Rudolf Von Roth, Maxmuller, Albrecht Weber, Ralph T. H. Griffith, William Dwight Whitney, Ludwig, Geldner, Alfred Hillebrandt, Hermann Oldenberg, Maurice Bloomfield, Arthur Berriedale Keith.

Unit: IV**Hour 12**

- Surveys on Vedic Commentaries (Uvaṭa, Sāyaṇa, Swāmī Dayānanda Saraswatī, Śrīpāda Dāmodar Sātavalekar)
- Vedic Research Institutions: VVIS&IS, Vaidik Samsodhan Mandal, Bhaṇḍarkar Oriental Research Institute, Maḥarṣi Sāndipani Rāṣṭriya Vedavidyā Pratishṭhāna etc.

Tutorial Activites

- Doubt solving classes.
- Development of writing and reading skills in Sanskrit.
- Learning about the different commentary styles of the Vedic Commentaries.
- Practice of Padapatha, Etymology and Vedic Accent.
- Detailed study about the researches undertaken on Vedic Commentaries.

Essential/Recommended Readings/Texts**Essential Readings:**

1. ऋग्वेदभाष्यभूमिका - सायण, (सम्पादक) वीरेन्द्र कुमार वर्मा, चौखम्बा ओरियण्टलिया, वाराणसी, १९८०.
2. ऋग्वेदभाष्यभूमिका - सायण, (सम्पादक) श्रीकण्ठपाण्डे, भारतीय विद्या प्रकाशन, वाराणसी, १९८५.
3. ऋग्वेदभाष्यभूमिकासंग्रह – बलदेव उपाध्याय, बनारस, १९३४.

Additional Resources:

1. श्रीअरविन्द - वेदरहस्य, अनुवादक – आचार्य अभयदेव विद्यालंकार एवं जगन्नाथ वेदालंकार, श्रीअरविन्द आश्रम, पुदुच्चेरी, २००९.
2. उपाध्याय, बलदेव - वैदिक साहित्य और संस्कृति, शारदा संस्थान, वाराणसी, २०१०.
3. उपाध्याय, बलदेव – संस्कृत वाङ्मय का बृहद् इतिहास – प्रथम भाग (वेद) – उत्तर प्रदेश संस्कृत संस्थान, लखनऊ।
4. उपाध्याय, बलदेव – संस्कृत वाङ्मय का बृहद् इतिहास – द्वितीय भाग (वेदाङ्ग) – उत्तर प्रदेश संस्कृत संस्थान, लखनऊ।
5. चतुर्वेदी, गिरिधरशर्मा – वैदिक विज्ञान और भारतीय संस्कृति, बिहार राष्ट्रभाषा परिषद्, पटना, १९७२.
6. त्रिपाठी, गयाचरण – वैदिक देवता, उद्भव और विकास, राष्ट्रिय संस्कृत संस्थान, नई दिल्ली।

7. द्विवेदी, कपिलदेव - वैदिक साहित्य एवं संस्कृति, विश्वविद्यालय प्रकाशन, वाराणसी, पंचम संस्करण २०१०.
8. पं भगवद्दत्त – वैदिक वाङ्मय का इतिहास - खण्ड 1-3, परिवर्धक तथा सम्पादक – सत्यश्रवा एम. ए., विजय कुमार गिविन्दराम हासानन्द, दिल्ली, २००८.
9. पाण्डेय, गोविन्दचन्द्र - वैदिकसंस्कृति, लोकभारती प्रकाशन, इलाहाबाद
10. डॉ. फतेह सिंह – वैदिकदर्शन, संस्कृत सदन, कोटा, १९९९.
11. वर्णी, रामप्रकाश – अचार्य सायण और स्वामी दयानन्द सरस्वती की वेदभाष्य भूमिकाएँ, परिमल पब्लिकेशन्स, दिल्ली, २००५.
12. शर्मा, मुंशीराम - वेदार्थचन्द्रिका, चौखम्बा विद्याभवन, १९६७.
13. शशि तिवारी, वेदव्याख्यापद्धतयः, प्रतिभा प्रकाशन, दिल्ली, २०१४.
14. Dandekar, R. N. – Vedic Bibliography, Karnatak Publishing House, Bombay, 1946.
15. Dandekar, R.N. - Vedic Religion & Mythology: A Survey of the Works of Some Western Scholars, Univ. of Poona, Poona, 1965.
16. Macdonell, A.A. - Brhaddevata, M.L.B.D., 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Brahmasūtraśāṃkarabhāṣya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Brahmasūtraśāṃkarabhāṣya	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with advanced knowledge of the Advaita Vedānta system by critically examining Śāṅkara’s commentary on the Brahmasūtra. The course aims to foster a deeper understanding of the philosophical debates and principles articulated in this seminal works.

Learning outcomes

Upon completing this course, students will:

- Understand idealism as a philosophical position within the context of Indian philosophy.
- Critically evaluate Śāṅkara’s interpretations of the Brahmasūtra.
- Gain extensive and in-depth knowledge of Advaitic metaphysical, ethical, and analytical frameworks.
- Explore the methods used by Śāṅkara, including their reliance on Śruti (scriptures), Smṛti (tradition), and Anubhava (experience), to substantiate their Advaitic theories.

Detailed Syllabus

Unit: I

Hour 11

- Brahmasūtraśāṃkarabhāṣya (1.1.1-2) Upodghāta bhāṣya (Adhyāśabhāṣya), Jijñāsādhikaraṇa, Janmādhikaraṇa

Unit: II

Hour 11

- Brahmasūtraśāṃkarabhāṣya (1.1.3-4) Śāstrayonitvādhikaraṇa, Samanvayādhikaraṇa

Unit: III

Hour 11

- Brahmasūtraśāṃkarabhāṣya (2.2.1-27) Racanānupapattyādhikaraṇa, Mahaddīrghādhikaraṇa, Paramāṇujagadakāraṇatvādhikaraṇa, Samudāyādhikaraṇa

Unit: IV

Hour 12

- Brahmasūtraśāṃkarabhāṣya (2.2.28-45) Abhāvādhikaraṇa, Patyādhikaraṇa, Utpattayasambhavādhikaraṇa

Tutorial Activities

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. ब्रह्मसूत्रशांकरभाष्य (चतुःसूत्री). (व्याख्याकार) आचार्य विश्वेश्वर सिद्धान्त शिरोमणि, चौखम्बा विद्याभवन, वाराणसी, 1966.
2. ब्रह्मसूत्रशांकरभाष्य (चतुःसूत्री). व्याख्याकार: रमाकान्त त्रिपाठी, हिन्दी ग्रन्थ अकादमी, लखनऊ, 1979.
3. ब्रह्मसूत्रशांकरभाष्य. (व्याख्याकार) कामेश्वरमिश्र, चौखम्बा संस्कृत सिरीज ऑफिस, वाराणसी, 1976.
4. ब्रह्मसूत्रशांकरभाष्य (भामती टीका अनुवाद सहित). सम्पादक: स्वामी योगीन्द्रानन्द, षड्दर्शन प्रकाशन, वाराणसी, 1982.
5. ब्रह्मसूत्रशांकरभाष्य. (व्याख्याकार) स्वामी सत्यानन्द सरस्वती, सत्यानन्दी दीपिका सहित, गोविन्दमठ, वाराणसी, 1978.
6. ब्रह्मसूत्रशांकरभाष्य. (व्याख्याकार) स्वामी हनुमान् जी षड्शास्त्री, चौखम्बा विद्याभवन, वाराणसी, 1964.

Additional Resources

1. शर्मा, चन्द्रधर. भारतीय दर्शन: आलोचन व अनुशीलन. मोतीलाल बनारसीदास, दिल्ली, 2001.
2. Devaraja, N. K. *Introduction to Śāṅkara's Theory of Knowledge*. Motilal Banarsidass, Delhi, 1972.
3. Hiriyanna, M. *Outline of Indian Philosophy*. George Allen & Unwin Ltd., London, 1967.
4. Mahadevan, T. M. P. *Philosophy of Advaita*. Bharatiya Kala Prakashan, Delhi, 2006.
5. Pandey, Ram Chandra. *Panorama of Indian Philosophy*. English and Hindi versions, Motilal Banarsidass, Delhi, 1966.
6. Radhakrishnan, S. *Indian Philosophy, Vols. 1–2*. London, 1967. (Also Hindi translation by Nanda Kishor Gomil, Delhi, 1986).
7. Sharma, Rammurti. *Advaita Vedānta*. Eastern Book Linkers, Delhi, 1998.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Nyāyabindu

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Nyāyabindu	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with an in-depth understanding of the metaphysical and epistemological theories formulated by Buddhist philosophy. Through the study of Nyāyabindu & Mādhyamika Kārikā, the course aims to develop critical knowledge of the core principles and categories of this philosophical school.

Learning outcomes

Upon completing this course, students will:

- Develop an understanding of Idealism in the Indian philosophical context.
- Gain extensive knowledge of Buddhist categories.
- Acquire fundamental insights into other philosophical positions concerning the categories endorsed by the Buddhist tradition.
- Appreciate and differentiate the diverse perspectives and debates within the Buddhist tradition.

Detailed Syllabus

Unit: I

Hour 11

- First Pariccheda - Samyakjñāna (pramāṇa) kā svarūpa, Samyakjñāna (pramāṇa) ke bheda, Perception, Types of Perception, Svalakṣaṇa, Sāmānyalakṣaṇa, Pramāṇaphala, Pramāṇaphala vyavasthā

Unit: II

Hour 11

- Second Pariccheda- Svārthānumāna; Pakṣa, Sapakṣa & Asapakṣa; Three types of hetu

Unit: III

Hour 11

- Third Pariccheda- Parārthānumāna, Two types of Parārthānumāna, Pakṣa Lakṣaṇa

Unit: IV

Hour 12

- Third Pariccheda- Hetvābhāsa & its types

Tutorial Activities:

- Analytical Discussion
- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. न्यायबिन्दुटीका (न्यायबिन्दुसहिता), (सं.) श्रीनिवास शास्त्री, साहित्य भण्डार, मेरठ, 1975
2. न्यायबिन्दु: (न्यायबिन्दुटीकासहिता), (सं.) पी. आई. तर्कस, नूतन मुद्रणालय, अकोला, 1952
3. न्यायबिन्दु: (न्यायबिन्दुटीकासहिता), (सं.) चन्द्रशेखर शास्त्री, चौखम्बा संस्कृत सीरीज, बनारस, 1954

Additional Resources

1. शर्मा, चन्द्रधर. भारतीय दर्शन: आलोचन और अनुशीलन. मोतीलाल बनारसीदास, दिल्ली, 2004.
2. नरेन्द्रदेव, आचार्य. बौद्ध धर्म-दर्शन. मोतीलाल बनारसीदास, दिल्ली, 2015
3. उपाध्याय, बलदेव. बौद्ध दर्शन. शारदा मन्दिर, बनारस, 1946
4. पाण्डेय, गोविन्द चन्द्र. न्यायबिन्दु. दर्शन प्रतिष्ठान, जयपुर, 1972
5. Dasgupta, S. N. *History of Indian Philosophy*. Vols. I–V, Motilal Banarsidass, Delhi, 1975.
6. Radhakrishnan, S. *Indian Philosophy*. Vols. I–II, George Allen & Unwin, London, 1933.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Śāstrakāvya - Bhaṭṭikāvya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Śāstrakāvya - Bhaṭṭikāvya	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to give the students glimpses of the Śāstrakāvya in Sanskrit literary tradition through the reading of a very important compositions of Bhaṭṭi.

Learning outcomes

After completion of this course the students:

- will be able to appreciate the Śāstrika, aesthetical, grammatical, cultural, etc. values expressed in prescribed composition.
- Will understand the structural patterns of ancient Sanskrit Śāstrakāvya.
- Will be familiar with the individual styles of the poet Bhaṭṭi.

Detailed Syllabus

Unit: I	Hour 11
● भट्टिकाव्य – प्रथम सर्ग	
Unit: II	Hour 11
● भट्टिकाव्य – द्वितीय सर्ग	
Unit: III	Hour 11
● भट्टिकाव्य – तृतीय सर्ग	
Unit: IV	Hour 12
● भट्टिकाव्य – चतुर्थ सर्ग	

Tutorial Activities:

- Śloka–Rule (Sūtra) Identification Exercise
- Sandhi–Samāsa Analysis Workshop
- Rasa Interpretation Discussion

- Comparative Text Study

Essential/Recommended Readings/Texts

Essential Readings:

1. भट्टिमहाकाव्य (भट्टि) – (व्या.) गोपाल शास्त्री, (सम्पा.) गोपालदत्त पाण्डेय, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2011
2. भट्टिकाव्य (भट्टि) – विनायक शास्त्री तथा वासुदेव शास्त्री, निर्णय सागर प्रेस, मुम्बई

Additional Resources:

1. शर्मा, सच्चिदानन्द – भट्टिकाव्यसमीक्षा, हिन्दी बुक सेन्टर, दिल्ली
2. शर्मा उमा शंकर 'ऋषि' – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
3. व्यास भोलाशंकर – संस्कृत कवि दर्शन, चौखम्बा विद्याभवन, वाराणसी
4. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
5. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Modern Sanskrit Khaṇḍakāvya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Modern Sanskrit Khaṇḍakāvya	04	3	1	0	Nil	Nil

Learning Objectives

The course aims at showcasing the continuity of Sanskrit poetry in its traditional genres of Khaṇḍakāvya. It also highlights historical, nationalistic and religious trends of the modern Sanskrit Khaṇḍakāvya.

Learning outcomes

After completion of this course the students:

- Will have an understanding of the new approach in the realm of Sanskrit Poetry.
- Will become aware of a new genre of Poetry.
- Will acquire the knowledge of the different dimensions of poetry.
- Will be able to compare modern and ancient styles of Poetry.
- Will gain the ability to explain and critically analyze the prescribed texts.

Detailed Syllabus

Unit I

पार्श्वभ्युदयम् – जिनसेनाचार्य

Hour 11

Unit II

मीरालहरी (पूर्व भाग) - पण्डिता क्षमाराव

Hour 11

Unit III

साहित्यवैभवम् (विनोद वीथी) – भट्ट मथुरानाथ शास्त्री

Hour 11

Unit IV

वसन्तविलास – जगदीशप्रसाद सेमवाल

Hour 12

Tutorial Activities:

- Rasa Visualization Exercise
- Character Interpretation Discussion
- Dramatised Narration

- Khandakāvya Mini-Composition Workshop

Essential/Recommended Readings/Texts

Essential Readings:

1. पार्श्वभ्युदयम् – जिनसेनाचार्य, सम्पादक – रमेश चन्द्र जैन, भारतवर्षीय अनेकान्त विद्वत् परिषद्, वाराणसी, 1989.
2. मीरालहरी - पण्डिता क्षमाराव, 27 न्यू मैरीनलेन, मुम्बापुरी (मुंबई) से प्रकाशित, मुंबई, 1944.
3. साहित्यवैभवम् – भट्ट मथुरानाथ शास्त्री, प्रधान सम्पादक – राधावल्लभ त्रिपाठी, सम्पादक – देवर्षि कलानाथ शास्त्री, रमाकान्त पाण्डेय, राष्ट्रीय संस्कृत संस्थान, दिल्ली, 2010.
4. विलासकाव्यसंग्रह – सम्पादक एवं अनुवादक – वेद प्रकाश डिंडोरिया, मान्यता प्रकाशन, दिल्ली, 2016.

Additional Resources:

1. त्रिपाठी, राधावल्लभ - संस्कृत साहित्य: बीसवीं शताब्दी, राष्ट्रीय संस्कृत संस्थान, दिल्ली 1999. मुसलगांवकर, केशव राव-आधुनिक संस्कृत काव्य परम्परा, चौखम्बा विद्याभवन, वाराणसी, 2004
2. मिश्र, राजेन्द्र – विंशति शताब्दी संस्कृत काव्यामृतम्, दिल्ली संस्कृत अकादमी, दिल्ली
3. उपाध्याय, बलदेव (प्र.स.), पाठक, जगन्नाथ (सं.)- संस्कृत वाङ्मय का बृहद् इतिहास (सप्तम खण्ड), उत्तरप्रदेश संस्कृत संस्थान, लखनऊ, 2000
4. Jha, V.N - Sanskrit Writings in Independent India, Poona
5. Joshi, K.R.& S. M. Ayachit - *Post Independence Sanskrit Literature*, Nagpur, 1991.
6. Prajapati, Manibhai K., *Post Independence Sanskrit Literature : A critical survey*, Poona, 2005.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Aucityavicāracarcā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Aucityavicāracarcā	04	3	1	0	Nil	Nil

Learning Objectives

Aucityavicāracarcā of Kṣemendra is a basic text of Aucitya theory in Sanskrit poetics. The purpose of this course is to introduce the learners with the different dimensions of Aucitya i.e. word (Padaucitya), Rasa (Rasaucitya), Verb (Kriyocitya), Time (Kalaucitya) etc. through the reading of the texts of Aucityavicāracarcā. The concept of Aucitya and its 27 divisions with examples will also be focused in this course.

Learning outcomes

Upon Successful completion of this course students:

- will form a deep understanding of the fundamental terminologies of kavya as presented by Kṣemendra.
- will acquire an in-depth knowledge of the theory of Aucitya.
- will be successful in applying this knowledge for critical analysis in the light of Aucitya theory.
- will gain the ability to explain and critically analyze the prescribed texts.
- will be able to appreciate and enjoy the expressions of poetry.

Detailed Syllabus

Unit: I औचित्य का स्वरूप, पदौचित्य से रसौचित्य तक	Hour 11
Unit: II क्रियौचित्य से उपसर्गौचित्य तक	Hour 11
Unit: III निपातौचित्य से तत्त्वौचित्य तक	Hour 11
Unit: IV सत्त्वौचित्य से आशीर्वचनौचित्य तक	Hour 12

Tutorial Activities:

- Text Reading and Explanation Workshop
- Analytical Discussion
- Illustrative Exercise: Identifying Aucitya and Anaucitya
- Terminology Familiarization and Quiz

Essential/Recommended Readings/Texts

Essential Readings:

1. औचित्यविचारचर्चा - क्षेमेन्द्र, (व्या.) नारायण मिश्र, चौखम्बा ओरियन्टालिया, दिल्ली
2. औचित्यविचारचर्चा - क्षेमेन्द्र, (व्या.) आचार्य ब्रजमोहन झा, चौखम्बा विद्याभवन, वाराणसी
3. औचित्यविचारचर्चा - क्षेमेन्द्र, (व्या.) रमाशंकर त्रिपाठी, चौखम्बा कृष्णदास अकादमी, वाराणसी
4. औचित्यविचारचर्चा - क्षेमेन्द्र, (व्या.) वेद प्रकाश डिंडोरिया, शिवालिक प्रकाशन, दिल्ली

Additional Resources:

1. गौड मनोहरलाल – आचार्य क्षेमेन्द्र, भारत प्रकाशन मन्दिर, अलीगढ़
2. औचित्य सम्प्रदाय का हिन्दी काव्य शास्त्र पर प्रभाव – डॉ. चन्द्र हंस पाठक, चौखम्बा विद्याभवन, वाराणसी
3. औचित्य सिद्धान्त एवं किरातार्जुनीयम् – डॉ. वेद प्रकाश डिंडोरिया, परिमल प्रकाशन, दिल्ली
4. क्षेमेन्द्र – प्रो. ब्रजमोहन चतुर्वेदी, साहित्य अकादमी, दिल्ली
5. क्षेमेन्द्र एवं उनका समीक्षा सिद्धान्त – डॉ. शिवशेखर मिश्र, कुमार प्रकाशन, लखनऊ
6. भारतीय काव्य सिद्धान्त: औचित्य – डॉ. कृष्णदेव झारी, शारदा प्रकाशन, नई दिल्ली
7. De, Sushil Kumar, History of Sanskrit Poetics (also Hindi translation), Oriental Book Centre, Delhi, 2006
8. Kane, P.V., History of Sanskrit Poetics (also Hindi translation), M.L.B.D., Delhi, 2002
9. Pandey, Kanti Chandra, Comparative Aesthetics, Vol. 1, (also Hindi translation Chaukhamba Sanskrit Series Office, Varanasi, 1972

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Nāṭaka Prakaraṇa of Pratāparudrayaśobhūṣaṇam

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Nāṭaka Prakaraṇa of Pratāparudrayaśobhūṣaṇam	04	3	1	0	Nil	Nil

Learning Objectives

This Course ensures a comprehensive understanding of the Nāṭaka Prakaraṇa of Pratāparudrayaśobhūṣaṇam, linking theoretical insights with practical application to classical Sanskrit dramas. It provides an in-depth understanding of Vidyānātha's Pratāparudrayaśobhūṣaṇam, particularly its Nāṭaka Prakaraṇa (drama portion). It encourages students to compare Vidyānātha's concepts with other dramaturgical texts, such as Bharata's Nāṭyaśāstra and Dhanañjaya's Daśarūpaka. It enables students to critically examine the text in the historical and cultural significance, literary aesthetic, and technical aspects of classical Sanskrit dramas.

Learning outcomes

Upon Successful completion of this course students:

- Comprehend the key concepts and theories of Sanskrit dramaturgy as outlined in the Nāṭaka Prakaraṇa of Pratāparudrayaśobhūṣaṇam.
- Analyze the structural elements of a Sanskrit play in light of Vidyānātha's theories.
- Compare and critique Vidyānātha's ideas with other classical texts on dramaturgy.
- Apply the principles of Sanskrit dramaturgy to the study of classical Sanskrit plays.
- Produce scholarly critiques and interpretations of dramaturgical theories and their relevance to classical Indian aesthetics.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Pratāparudrayaśobhūṣaṇam and Vidyānātha's Contribution

- Overview of Vidyānātha and his historical and literary context.
- Introduction to Pratāparudrayaśobhūṣaṇam: Structure and purpose of the text.
- Importance of Nāṭaka Prakaraṇa (Drama Section).
- The concept of Nāṭaka (Drama) in Sanskrit tradition.

Unit: II

Hour 11

Elements of Nāṭaka (Drama) as Defined by Vidyānātha

- Definition of Nāṭaka: Essential and optional elements.
- Analysis of the ten essential elements (Daśarūpa) in the context of Vidyānātha's theories.
- Examination of Sandhi (juncture) and Sandhy-aṅga (components of junctures)
- Comparison with Bharata's Nāṭyaśāstra and Dhanañjaya's Daśarūpaka.

Unit: III**Hour 11****Application of Nāṭaka Prakaraṇa in Classical Sanskrit Play**

- Ist act of Pratāparudra-kalyāṇa Nāṭakam
- Iled act of Pratāparudra-kalyāṇa Nāṭakam
- IIRD act of Pratāparudra-kalyāṇa Nāṭakam

Unit: IV**Hour 12****Application of Nāṭaka Prakaraṇa in Pratāparudra-kalyāṇa Nāṭakam**

- IV th act of Pratāparudra-kalyāṇa Nāṭakam
- V th act of Pratāparudra-kalyāṇa Nāṭakam

Tutorial Activities:

- Script Reading
- Nayakbheda analysis
- Scene Identification
- Stage Design Project
- Rhetorical Structure Analysis
- Dialogue Practice from Pratāparudrayaśobhūṣaṇam

Essential/Recommended Readings/Texts**Essential Readings:**

1. Vidyānātha's Pratāparudrayaśobhūṣaṇam (Nāṭaka Prakaraṇa) – Edited with commentary.

Additional Resources:

2. Nāṭyaśāstra of Bharata – Ghosh, Manomohan (Translator).
3. Dhanañjaya's Daśarūpaka – Translated and edited by George C. O. Haas.
4. Abhinavagupta's Abhinavabhāratī (excerpts on Nāṭaka).
5. A History of Indian Theatre – Manohar Laxman Varadpande.
6. Classical Sanskrit Drama – A. B. Keith.
7. Indian Poetics – S. K. De.
8. The Theory of Rasa – K. Krishnamoorthy.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Vākyapadīya Kāraka Samuddeśa & Siddhāntakaumudī Kāraka Prakarana

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vākyapadīya & Siddhāntakaumudī Kāraka Prakarana	04	3	1	0	Nil	Nil

Learning Objectives

This course intends to introduce the students to some very important concepts of philosophy of language as propounded by the Grammarian philosophers through the reading of the texts of Mahābhāṣya

Learning outcomes

After the completion of this course the students will:

- be able to observe and appreciate the contributions of the ancient Indian Thinkers of the philosophy of language and linguistic.
- be able to understand the important, relevant and the purposes of the study of the Grammar.
- be able to understand the issues of philosophy of Grammar in general.
- be able to understand the nature of the word, meaning and their relation.
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Detailed Syllabus

Unit I	Hour 11
Vākyapadīya Kāraka Samuddeśa	
Unit II	Hour 11
Vākyapadīya Kāraka Samuddeśa	
Unit III	Hour 11
Vākyapadīya Kāraka Samuddeśa	
Unit IV	Hour 12
Siddhāntakaumudī Kāraka Prakarana	

Tutorial Activities:

- Text Reading and Explanation Workshop
- Concept Clarification Chart
- Kāraka Identification Practice
- Diagrammatic Representation of Kāraka Relations

Essential/Recommended Readings/Texts

1. Pillai, K. Raghavan. *The Vākyapadīya*. Motilal Banarsidass, 1971.
2. Iyer, K. A. Subramania, editor. *Vakyapadiya of Bhartrhari: Kāṇḍa I*. 1966.
3. अवस्थी, शिवशंकर. *वाक्यपदीयम्* (संस्कृत एवं हिन्दी अनुवाद). चौखम्भा विद्या भवन, 2013.
4. शुक्ल, सूर्यनारायण. *वाक्यपदीयम् (ब्रह्मकाण्डम्)*. चौखम्भा संस्कृत सीरीज़ ऑफिस, वाराणसी, 1961.
5. वैयाकरणसिद्धान्तकौमुदी (बालमनोरमा-तत्त्वबोधिनी-टीका) गिरिधरशर्माचतुर्वेदएवंपरमेश्वरानन्दशर्मा, तृतीयभाग, दिल्ली।
6. गोविन्दाचार्य, वैयाकरणसिद्धान्तकौमुदी (चतुर्थभाग: प्रथमखण्ड, द्वितीयखण्ड), चौखम्भा सुरभारती प्रकाशन, वाराणसी, 2010
7. जिज्ञासु, पं. ब्रह्मदत्त सोनीपत, हरियाणा अष्टाध्यायी (भाष्य) प्रथमावृत्ति, रामलालकपूरट्रस्ट, बहालगढ़,
8. शास्त्री शिवनारायण, वैयाकरण-सिद्धान्तकौमुदी, भ्वादिगण (भवतोषिणी हिन्दीटीका सहित), दिल्ली 1989
9. Sharma, Ramanath - The Astadhyayi of Panini, Vol.1 to Vol. 6, Munshiram Monoharlal Publishers Pvt. Ltd. Delhi. 1987-2003
10. Vasu, S.C. The Astadhyayi of Panini (2 Vols.), Motilal Banarasidass, Delhi-1997
11. E-Learning Tools developed by Computational Sanskrit Group, Department of Sanskrit University of Delhi available at: <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-7: Nāradaśmr̥ti

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Nāradaśmr̥ti	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to provide an in-depth exploration of the Nāradaśmr̥ti, an ancient Indian legal text, highlighting its significance in the context of Dharmaśāstra and Indian jurisprudence. Students will gain an understanding of the social, ethical, and legal principles outlined in the text. The course focuses on the roles and duties of individuals within society, particularly in the areas of governance, legal systems, and social order. Students will analyze the philosophical foundations and applications of the Nāradaśmr̥ti, and its influence on subsequent legal texts and practices in ancient India.

Learning outcomes

- Students will gain a comprehensive understanding of the core legal principles in Nāradaśmr̥ti, including the roles of rulers, judges, and individuals in maintaining justice.
- Learners will be able to interpret the rights, duties, and responsibilities prescribed to individuals, particularly in terms of social norms and ethics.
- Students will be able to analyze the governance models outlined in Nāradaśmr̥ti and their relevance to contemporary political and legal systems.
- Scholars will understand how Dharma is applied within legal structures and how it influences ethical decision-making in society.
- Students will explore the influence of Nāradaśmr̥ti on subsequent legal works, examining its role in shaping the evolution of Hindu legal traditions and principles.

Detailed Syllabus

Unit: I

Nāradaśmr̥ti, Chapter-1, 2 and 3

Hour 11

Unit: II

Nāradaśmr̥ti, Chapter-4, Ṛṇādāna-Prakaraṇa

Hour 11

Unit: III

Nāradaśmr̥ti, Chapter-4,

Hour 11

Nikṣepa-prakaraṇa-15
Sambhūyasamutthāna-prakaraṇa-18
Dattāpradānika-prakaraṇa-12
Abhyupretyāśusrūṣā-prakaraṇa-43
Paribhāṣita-aparibhāṣitavetanavidhi-prakaraṇa-22
Asvāmivikraya-prakaraṇa-8
Vikrīya-asampradāna-prakaraṇa-12
Kṛtānuśaya-prakaraṇa-16
Samaya-anapākarma-prakaraṇa-7
Sīmā-bandha-prakaraṇa-43

Unit: IV

Hour 12

Nāradaśmṛti, Chapter-4
Strī-puruṣayoga-prakaraṇa-113
Dāyabhāga-prakaraṇa-52
Sāhasa-prakaraṇa-27
Vākpāruṣya-daṇḍapāruṣya-prakaraṇa-32
Dūta-samāhṛya-prakaraṇa-8
Prakīrṇaka-prakaraṇa-55

Tutorial Activities:

- Thematic Discussion
- Practical application of Judicial Procedure
- Group Discussion: Dharma and Law in Modern Context
- Terminology Familiarization

Essential/Recommended Readings/Texts

1. स्वाई, ब्रजकिशोर. (2023) नारदस्मृति: तिल्लोत्तमा संस्कृतटीका सहित. चौखम्बा संस्कृत संस्थान, वाराणसी.
2. राम कुमार वर्मा शास्त्री, नारदस्मृति. डायनेमिक पब्लिकेशन (इण्डिया) लि०.
3. Banerji, Sures Chandra. A brief history of Dharmaśāstra. Abhinav Publications, 1999.
4. Online Resource available at <https://cl.sanskrit.du.ac.in>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-7: Decipherment of Brahmi Inscriptions

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Decipherment of Brahmi Inscriptions	04	3	1	0	Nil	Nil

Learning Objectives

The objectives of this course are to equip students with the skills necessary to decipher and interpret Brahmi inscriptions from various historical periods. It aims to introduce students to the historical development and significance of the Brahmi script, enabling them to analyze its cultural, historical and linguistic contexts. The course also focuses on developing proficiency in the methodologies used for deciphering inscriptions, allowing students to gain a deeper understanding of their role in historical research. Additionally, it provides practical experience through hands-on exercises and the study of authentic Brahmi inscriptions.

Learning outcomes

After the completion of this course, the students will:

- Be able to decipher and interpret Brahmi inscriptions with accuracy.
- Understand the historical and cultural significance of the Brahmi script.
- Apply various methodologies for analyzing ancient inscriptions.
- Demonstrate proficiency in the linguistic and contextual analysis of inscriptions.
- Gain practical experience through hands-on study of authentic Brahmi inscriptions
- Appreciate the contribution of these inscriptions to the broader history of ancient Indian religious traditions.

Detailed Syllabus

Unit: I

Hour 11

- Origin of Brahmi Script
- History of decipherment
- Understanding the characteristics of Ashokan Brahmi
- Decipherment of Ashokan Brahmi Inscriptions- Girnar rock edicts (No. II, III, VI) and Rummindei Pillar Edict

Unit: II

Hour 11

- Development of Post-Mauryan Brahmi
- Understanding the characteristics of Post-Mauryan Brahmi
- Comparative Study of the Satavahana and Shaka-Kshatrapa Scripts
- Understanding “Swasti Chinha”

Unit: III

Hour 11

- Development of Gupta Script
- Understanding the characteristics of Gupta Script
- Decipherment of Gupta Script Inscriptions- Mehrauli Iran Pillar Inscription of Chandragupta and Kahaun Inscription of Skandgupta
- Study of “Sanyuktakshar”

Unit: IV

Hour 12

- Development of North and South Indian Brahmi
- Understanding the characteristics of Post-Gupta’s Brahmi
- Decipherment of Post-Gupta Inscriptions- Nagarjuni Hill Cave Inscription of Anantvarma and Ganjaam Copper Plate Inscription of Shashanka
- Practicing Numbers and Matras

Tutorial Activities:

- Reading and Writing of basic forms of Brāhmī script
- Study of letter evolution and palaeographic features
- Knowledge of vowel and consonant formations
- Practice of reading simple inscriptions
- Learning of decipherment techniques and transliteration

Essential/Recommended Readings/Texts

1. ओझा, गौरीशंकर हीराचंद. भारतीय प्राचीन लिपिमाला. जोधपुर, राजस्थानी ग्रन्थागार, 2024.
2. कुमार, वीरेन्द्र. ब्राह्मी शिलालेख : प्रतिलिपि और भाष्य. भारतीय संस्कृति प्रकाशन, वाराणसी, 2008.
3. पाण्डेय, राजबली. भारतीय पुरालिपि. मोतीलाल बनारसीदास, दिल्ली, 1957.
4. प्रकाश, प्रेम. ब्राह्मी लिपि और उसका विकास. चौखम्बा संस्कृतसीरीज, वाराणसी, 2010.
5. मिश्र, राजेंद्र प्रसाद. ब्राह्मी लिपि: इतिहास और अध्ययन. भारतीय विद्या प्रकाशन, दिल्ली, 2005.
6. वशिष्ठ, रविन्द्र. अभिलेख प्रवेशिका. आर्यन बुक्स इंटरनेशनल, नई दिल्ली, 2008.
7. Bühler, Georg. Indian Palaeography (Revised Edition). Indological Book House, Varanasi, 1968.
8. Salomon, Richard. Indian Epigraphy: A Guide to the Study of Inscriptions. Oxford University Press, Oxford, 1998.
9. Shastri, Ajay Mitra. Research Papers on Brāhmī Palaeography. Journal of the Epigraphical Society of India.
10. Sircar, D.C. Indian Epigraphy. Motilal Banarsidass, Delhi, 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Methods of Critical Text Editing

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Methods of Critical Text Editing	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce students to the methods and techniques of critical text editing. It aims to equip students with the knowledge and skills required to create accurate and reliable critical editions of texts. The course will cover various approaches to text comparison, textual emendation, and the preparation of critical apparatus, enabling students to engage with manuscript and printed versions of texts. By the end of the course, students will be proficient in applying these methods to produce scholarly and authoritative editions of historical and literary works.

Learning outcomes

After the completion of this course, the students will:

- Understand the basic principles and techniques of critical text editing.
- Be able to compare and analyze different versions of texts from manuscripts and printed copies.
- Learn how to improve and correct texts using textual emendation.
- Gain the skills to create critical apparatus for scholarly editions.
- Appreciate the importance of accuracy and care in producing reliable editions of historical and literary texts.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Text Editing

- What is text editing?
- History of text editing
- Types of texts: Manuscripts and printed editions
- Role of the editor

Unit: II**Hour 11**

Textual Criticism

- Definition and importance of textual criticism
- Identifying and comparing variants in manuscripts
- Creating an archetype and stemma
- How to create a critical edition?

Unit: III**Hour 11**

Tools and Resources

- Traditional tools: Paleography and collation
- Digital tools for editing manuscripts
- Using commentaries and glosses in editing
- Key resources: Libraries and archives

Unit: IV**Hour 12**

Practical Editing

- Steps in preparing a critical edition
- Dealing with damaged or incomplete manuscripts
- Ethical issues in editing manuscripts
- Case studies of critical editions

Tutorial Activities:

- Comparative Discussion
- Terminology Familiarization
- Collation Exercise (Pāṭhāntara Analysis)

Essential/Recommended Readings/Texts

1. “Principles of Critical Edition” by K. N. Joshi
2. “Textual Criticism and Manuscript Editing” by A. R. Davis
3. “Critical Editing of Sanskrit Manuscripts” by R. R. Kangle
4. “संपादन और साहित्यिक आलोचना” by डॉ. शंकर पाटिल
5. “Manuscriptology and Textual Criticism” by M. D. Chavda
6. “भारतीय पांडित्य और ग्रंथ सम्पादन” by डॉ. रामानंद त्रिपाठी

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-7: Bhāgavata-Purāṇa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Bhāgavata-Purāṇa	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce the students to the devotional and spiritual aspects having secular values. The tenth Skandha of Bhāgavatamahāpurāṇa is famous in dealing with selfless divine devotion and ecstasy for God.

Learning outcomes

After the completion of this course the students will:

- able to appreciate rhetoric beauty of the tenth skandha of Bhāgavatamahāpurāṇa.
- able to understand and explain the devotional and spiritual values of Bhāgavatamahāpurāṇa.
- be able to explain the idea and emotion (Bhāva) and sentiment (rasa) in the light of Bhakti.

Detailed Syllabus

Unit: I Bhāgavata-Purāṇa: 3/25, 26, 27 & 33	Hour 11
Unit: II Bhāgavata-Purāṇa: 4/20, 21, 22	Hour 11
Unit: III Bhāgavata-Purāṇa: 8/19, 20, 21, 22	Hour 11
Unit: IV Bhāgavata-Purāṇa: 11/7, 8, 9	Hour 12

Tutorial Activities:

- Character Interpretation Seminar

- Parāyaṇa (Recitation) Sessions
- Dramatic Re-enactment / Nṛtya
- Art & Music Integration

Essential/Recommended Readings/Texts

Essential Readings:

1. भागवतपुराण, गीताप्रेस, गोरखपुर
2. भागवतपुराण, नागप्रकाशन
3. The Bhāgavata Purāṇa – Motilal Banarasidas Delhi
4. आशा सिंह रावत, श्रीमद्भागवत में जीवन दर्शन. ईस्टर्न बुक लिंकर्स, दिल्ली
5. कल्याण सिंह रावत, श्रीमद्भागवत के संवादों और उपदेशों का तात्त्विक विवेचन, ईस्टर्न बुक लिंकर्स, दिल्ली

Additional Resources:

1. The Bhagavata Purana - Mytho-Social Study, Dange, S.S. pub. by Ajanta Publications, Jawaharanagar, Delhi, 1984.
2. Biswas, Ashutosh, Bhagavata Purana, A Linguistic Study, Dibrugarh, 1963.
3. A Critical Study of the Śrīmad-Bhāgavata, Banaras Hindu University, Varanasi, 1969.
4. Bhāgavata Purāṇa: A Literary Study, S.S. Prasad, by Capital Publishing House, Delhi, 1984.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Chatbot Development using Sanskrit Corpora

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Chatbot Development for Sanskrit Text	04	3	0	1	Nil	Nil

Learning Objectives

The course aims to introduce students to the foundational principles of Natural Language Processing (NLP) and its application to Sanskrit language datasets. Students will explore the linguistic structure and syntax of Sanskrit, enabling the design of intelligent chatbots capable of interacting in Sanskrit. The course emphasizes the creation and processing of Sanskrit corpora, integration of AI and machine learning models, and building conversational interfaces rooted in traditional texts. By the end, learners will acquire skills to develop innovative Sanskrit-based chatbots, bridging the gap between ancient knowledge and modern conversational technologies.

Learning outcomes

By the end of this course, students will:

- Understand the fundamentals of chatbot architecture and design.
- Learn natural language processing techniques for Sanskrit texts.
- Develop skills in programming chatbots using popular frameworks.
- Address challenges in conversational systems for Sanskrit, including sandhi, morphology, and semantics.
- Create and test a functional chatbot tailored to Sanskrit texts or applications.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Chatbot Development

- Basics of Chatbots: History, Applications, and Types (Rule-Based and AI-Based).
- Overview of Sanskrit Linguistic Features Relevant to Chatbots.
- Natural Language Understanding (NLU) and Intent Recognition.
- Tools and Platforms for Building Chatbots: *Rasa*, *Dialogflow*, *Botpress*.
- Introduction to Devanagari Script and Unicode Handling for Sanskrit Input

Unit: II**Hour 11****Natural Language Processing for Sanskrit**

- Text Preprocessing: Tokenization, Lemmatization, and Stemming for Sanskrit.
- Handling Sandhi and Compound Words in Conversational Systems.
- Named Entity Recognition (NER) for Sanskrit Texts.
- Part-of-Speech Tagging and Syntax Parsing for Sanskrit Queries.
- Integrating Transliteration Support for Sanskrit and English Inputs.

Unit: III**Hour 11****Chatbot Implementation**

- Designing a Conversational Flow for Sanskrit Applications.
- Rule-Based Chatbot Development for Sanskrit Query Answering.
- AI-Based Chatbot Development Using Machine Learning:
 - Training Intents and Entities.
 - Using Pre-Trained Language Models (for Sanskrit).
- Integrating APIs for Sanskrit Text Retrieval and Processing.
- Hands-On Practice: Developing a Simple Chatbot for Sanskrit Queries.

Unit: IV**Hour 12****Advanced Features and Project**

- Adding Advanced Features: Context Management and Multilingual Support.
- Error Handling and Debugging in Sanskrit Chatbots.
- Testing and Evaluating Chatbot Performance: Accuracy, Response Time, and User Experience.
- Final Project:
 - Build a Chatbot for a Specific Sanskrit Application (e.g., querying Sanskrit dictionaries, teaching shlokas, or answering questions from texts).
 - Presentation and Peer Review.

Practical Activities:

- Sanskrit Text Preprocessing: Tokenize and normalize sample Sanskrit sentences.
- Perform basic Sandhi splitting using available tools.
- Rule-Based Chatbot Prototype: Design a small set of intents and responses in Sanskrit.
- Implement a simple rule-based chatbot flow.
- Framework Setup and Implementation: Install and configure a chatbot framework (e.g., Rasa or Dialogflow).
- Build a basic conversational flow using Sanskrit inputs.

Essential/Recommended Readings/Texts

1. Jurafsky, Daniel, and James H. Martin. Speech and Language Processing. 3rd ed. draft, 2023.
2. Russell, Stuart, and Peter Norvig. Artificial Intelligence: A Modern Approach. 4th ed., Pearson, 2021.

3. Manning, Christopher D., and Hinrich Schütze. Foundations of Statistical Natural Language Processing. MIT Press, 1999.
4. Bird, Steven, Ewan Klein, and Edward Loper. Natural Language Processing with Python. O'Reilly, 2009.
5. Serban, I. V., et al. "A Survey of Deep Learning for Dialogue Systems." arXiv preprint, 2016.
6. Sanskrit Heritage Reader (INRIA): <https://sanskrit.inria.fr>
7. Digital Corpus of Sanskrit (DCS): <https://www.sanskrit-corpus.uni-koeln.de>
8. GRETEL – Göttingen Register of Electronic Texts: <https://gretel.sub.uni-goettingen.de>
9. Sanskrit Wordnet (IIT Bombay): <https://www.cfilt.iitb.ac.in/wordnet/webswn/wn.php>
10. Sanskrit Velthuis/ISO Transliteration Tools: various online implementations
11. shabdkosh.com – Sanskrit dictionary resources
12. spokensanskrit.org – Lexical lookup
13. cl.sanskrit.du.ac.in – Computational Linguistics Lab, Department of Sanskrit, University of Delhi
14. sanskrit.jnu.ac.in – Centre of Sanskrit Studies, JNU
15. TDIL – Technology Development for Indian Languages: <https://tdil-dc.in>
16. Rasa Documentation: <https://rasa.com/docs/>
17. Dialogflow Documentation: <https://cloud.google.com/dialogflow/>
18. Botpress Documentation: <https://botpress.com/docs/>
19. TensorFlow – NLP tools: <https://www.tensorflow.org>
20. HuggingFace – Transformers for text models: <https://huggingface.co>

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Suśruta Samhitā: Chikitsasthanam & Kalpasthāna

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Suśruta Samhitā: Chikitsasthanam & Kalpasthāna	04	3	1	0	Nil	Nil

Learning Objectives

The Suśruta samhitā is an ancient Indian medical text that aims to provide knowledge of surgery, anatomy, and other aspects of health. It also emphasizes the importance of cleanliness and sterilization in surgical procedures. The Suśruta samhitā provides information on surgical techniques, such as wound closure, suturing, and bandaging. It also emphasizes the importance of using sterile tools and maintaining a clean surgical environment.

Learning outcomes

Sushruta has a rich history of medicine that is imbued with his pioneering spirit, which carried enduring influence. His works have been relevant in fomenting generations of surgeons and medical practitioners into the annals of history and solidifying his place as a timeless figure in the evolution of medical science. Students will be able to know the ancient procedures of surgery.

Detailed Syllabus

Unit: I

Hour 11

- Chikitsasthana
- Snehopayaugikacikitsita-57
- Svedāvacāraṇīyacikitsita-29
- Vamanavirecanasādhyopadravacikitsita-47
- Vamanavirecanavyāpaccikitsita-22
- Netrabastipramāṇaprabhācikitsita-33
- Netrabastivyāpaccikitsita-51

Unit: II

Hour 11

- Chikitsasthana
- Anuvāsanottarabasticikitsita-127
- Nirūhakramacikitsita-118
- Āturopadravacikitsita-39
- Dhūmanasyakavalagrahacikitsita-71

Unit: III**Hour 11**

- Kalpasthāna
- Annapānarakṣākalpa-84
- Sthāvaraviṣavijñānīyakalpa-55
- Jaṅgamaviṣavijñānīyakalpa-44
- Sarpadaṣṭaviṣavijñānīyakalpa-45

Unit: IV**Hour 12**

- Kalpasthāna
- Sarpadaṣṭaviṣacikitsitakalpa-86
- Dundubhisvanīyakalpa-32
- Mūṣikakalpa-64
- Kīṭakalpa-143

Tutorial Activities:

- Technical Terminology Dictionary
- Chikitsā Reasoning Exercises
- Body Mapping Activity
- Instrument Identification Workshop
- Comparative Medicine Discussion
- Historical Inquiry Assignment

Essential/Recommended Readings/Texts

1. अनन्तराम शर्मा, 2019.सुश्रुत संहिता, चौखम्बा सुरभारती प्रकाशन. भाग 1-3.
2. केशव कृष्णल ठकराल, 2014.सुश्रुत संहिता, चौखम्बा ओरियन्टलिया, वाराणसी भाग 1-2.
3. Singhal, G. D. Susruta Samhita: Ancient Indian Surgery (in 3 Vol. Set). Chaukhamba Sanskrit Pratishthan, 1975.
4. Bhishagratna, Kaviraj Kunja Lal. An English Translation of the Sushruta Samhita, Based on Original Sanskrit Text, Vol. 3. Forgotten Books, 2018.
5. Patil, Vasant C. Susruta Samhita, 3 Volumes. Chaukhambha Publications, 2018.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-8: Bhāratiya Kuṇḍalī Vijñāna-II

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Bhāratiya Kuṇḍalī Vijñāna-II	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this paper is to teach the students about mathematical calculation for making horoscope, various units of time and annual horoscope.

Learning outcomes

After studying this course, students:

- Will be able to know the concept behind Panchanga.
- Will be able to get Knowledge about how to make a horoscope.
- Will be able to know the concept of dasa-sadhana.
- Will be able to know the basic concepts of Varshphal/Tajikshastra.

Detailed Syllabus

Unit: I

Hour 11

नैसर्गिक-तात्कालिक-पंचधाग्रहमैत्रीचक्र, सूर्यादिग्रह अष्टकवर्गनिरूपण ।

Unit: II

Hour 11

विंशोत्तरी महादशा, अष्टोत्तरी दशा, योगिनी दशा, वर्षप्रवेशगणित-तिथिसाधन, वर्षप्रवेशकालिक स्पष्टग्रह ।

Unit: III

Hour 11

मुंथा-विचार, ग्रहों का बलविचार (हर्षबल, पंचवर्गीबल) हृदाचक्र, त्रिराशिपति, पंचेशविचार, दीप्तांशविचार ।

Unit: IV

Hour 12

इत्थवाल, मूसरिफयोग, नक्त, सहमविचार, मुद्दादशा, पात्यायिनीदशा, मासप्रवेश, दिनप्रवेश।

Tutorial Activities:

- Technical Terminology Dictionary
- Chikitsā Reasoning Exercises
- Body Mapping Activity
- Instrument Identification Workshop
- Comparative Medicine Discussion
- Historical Inquiry Assignment

Essential/Recommended Readings/Texts

1. भारतीय कुण्डली विज्ञान-ओझा, मीठालाल हिम्मतराम, देवर्षि प्रकाशन, वाराणसी, 2004 ।
2. भारतीय कुण्डली विज्ञान झा, सुरकांत, चौखंभा संस्कृत सीरीज ऑफिस, वाराणसी ।
3. भारतीय ज्योतिष शास्त्री, नेमिचन्द्र, भारतीय ज्ञानपीठ प्रकाशन, नईदिल्ली- 1987.
4. भारतीयज्योतिषम् - शिवनाथझारखण्डी, उत्तरप्रदेश हिन्दी संस्थान, लखनऊ, 2010.
5. भारतीयज्योतिषम् – नेमिचंद्र शास्त्री, भारतीय ज्ञानपीठप्रकाशन, दिल्ली, 1992.
6. Tucker, W.M. - Astrology for Everyman, Sagar Publication, New Delhi.
7. History of Indian Astronomy - Sankar Balkrishna Dikshit, Government of India Book Dept, Calcutta,1981.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-7: Bijaganitam

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Bijaganitam	04	3	1	0	Nil	Nil

Learning Objectives

The course aims to introduce contemporary theories and facts about Vedic mathematics and the Bhartiya mathematical tradition, addressing both traditional and modern questions. It seeks to demonstrate how Vedic mathematics and the entire Bhartiya mathematical tradition is a living practice.

Learning outcomes

After completion of this course the students:

- Will have a comprehensive understanding of the innovative concepts bridging the gap between Bhartiya Mathematics and Modern Mathematics.
- Will acquire knowledge of the different dimensions of Mathematics i.e. effects, cause, definitions, forms and facts present in Bhartiya Mathematics and Vedic Mathematics. They will explore the historical context, key principles, and methodologies that characterize this unique approach.
- Will become acquainted of new concepts and facts found in Mathematics.
- Will be able to compare modern and ancient thoughts of Mathematics.
- Will achieve the ability to critically analyze and explain the prescribed texts.

Detailed Syllabus

Unit: I

Hour 11

Manglacharan, Dhanarn-sankalan-vyavkalan-gunan-bhagahar-vargmool.

Unit: II

Hour 11

Khagunadi, Anantrashiprasansa, Bhavyakta, Kalpana
Avyakta-sankalan-vyavkalan, Shravyaktadigunan
Avyaktadibhagahar, Avyaktvargaadi.

Unit: III

Hour 11

Karnisankalanavyavkalan, Karanigunan, Karanibhajan,
Karnivarg: Karanimula, Kuttaka, Vargaprakriti, Chakravaalam.

Unit: IV**Hour 12**

Ekvarnsamikaranbijam, Anekvarn-samikaran, Anekvarn-madhyamaaharan

Tutorial Activities:

- Symbol Mapping Drill
- Terminology Translation Exercise
- Varga–Rashmi (Square–Root) Simplification
- Kuttaka (कुट्टक) Algorithm Lab
- Ghaṇa (Cube) Expansion Manipulative
- Comparative Mathematics Seminar

Essential/Recommended Readings/Texts

1. Mishra, Baldev, 2015, Bijaganitam, Chowkhambha Vidyabhawan, Varanasi.

Secondary Sources:

1. मिश्र, कमलाकान्त (सम्पा.), 2003, संस्कृत वाङ्मय में विज्ञान का इतिहास, राष्ट्रीय शैक्षिक अनुसन्धान और प्रशिक्षण परिषद्, नई दिल्ली।
2. Datta, Bibhutibhushana & Singh Avadesh Narayan, 2004, History of Hindu Mathematics (Vol. 1&2) Bharatiya Kala Prakashan, Delhi.
3. तिवारी, दया शंकर, 2020, संस्कृत वाङ्मय में गणितीय परम्परा, चौखम्भा ऑरियण्टलिया, दिल्ली।

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-8: Sāmaveda, Chāndogyopaniṣad & Vaidika Chanda

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sāmaveda, Chāndogyopaniṣad & Vaidika Chanda	04	3	1	0	Nil	Nil

Learning Objectives

The course familiarizes its learners with the opening information about the Sāmveda. It enables them to chant its hymns precisely and with apt intonation. The course introduces the students with the spiritual principles of the Chāndogyopaniṣad. It enables students to enumerate Vedic chandas along with their features and intonation.

Learning outcomes

After completion of this course, the students will:

- introduce Sāmveda with its distinct features.
- describe the diacritical symbols unique to the Sāmveda.
- chant hymns from Sāmveda with proper pronunciation and intonation.
- list spiritual principles of the Chāndogyopaniṣad.
- identify Vedic chandas from their features and chant hymns with correct pronunciation and intonation.

Detailed Syllabus

Unit: I

Hour 11

- Sāmveda: Purvārcika, Āgneya Kāṇḍa, Adhyāya - 1, Khaṇḍa - 1
- Sāmveda: Purvārcika, Aindra Kāṇḍa, Adhyāya - 2, Khaṇḍa - 3
- Sāmveda: Purvārcika, Pavamāna Kāṇḍa, Adhyāya - 5, Khaṇḍa - 1, 2

Unit: II

Hour 11

- Sāmveda: Purvārcika, Aranya Kāṇḍa, Adhyāya - 6, Khaṇḍa - 1- 4
- Sāmveda: Uttarārcika, Adhyāya - 21, Khaṇḍa-1, Tṛca 6-9

Unit: III

Hour 11

Chāndogyopaniṣad-

- Adhyāya – 03, Khaṇḍa - 01. (Madhu Vidyā)
- Adhyāya – 04, Khaṇḍa - 11. (Gārhapatyāgni Vidyā)
- Adhyāya – 05, Khaṇḍa - 01. (Prāṇah Jyeṣṭhah Sreṣṭhasca)
- Adhyāya – 06, Khaṇḍa - 01. (Aaruṇi Śvetaketu Samvāda)

Unit: IV**Hour 12**

- Vaidika Chanda - Gāyatrī, Uṣṇik, Anuṣṭup, Bṛhatī, Paṅkti, Triṣṭup, Jagatī & c.

Tutorial Activities:

- Recitation Practice (Saṃhitā Pāṭha)
- Vedic Metre Analysis
- Chant and Chandas Correlation Exercise

Essential/Recommended Readings/Texts**Essential Readings:**

1. सातवलेकर श्रीपाद दामोदर, सामवेद संहिता, स्वाध्याय मंडल, आनंद आश्रम, पारडी, 2000
2. छान्दोग्य उपनिषद, (सानुवाद शाङ्करभाष्यसहित) गीताप्रेस गोरखपुर, 2021
3. व्यास युगलकिशोर, ऋक् प्रातिशाख्यम्, बृज बिहारीदास एण्ड कम्पनी, वाराणसी, 1994
4. द्विवेदी कपिलदेव, सिंह श्यामलाल (अनुदीत) पिंगलकृत पिंगल कृत छन्दःसूत्रम्: (वैदिक गणितीय अनुप्रयोगों सहित), वाराणसी विश्वविद्यालय प्रकाशन 2008
5. शास्त्री छज्जूराम, निरुक्त, मेहरचंद लखमनदास पब्लिकेशन्स, नई दिल्ली, 2023
6. बन्धु मनुदेव, छान्दोग्योपनिषद: एक अध्ययन, भारतीय विद्याभवन प्रकाशन, नई दिल्ली, 1987
7. झा गंगानाथ, छान्दोग्योपनिषद - शंकर भाष्य साहित्य, ओरिएंट बुक एजेंसी, पुणे, 1995
8. सिद्धांतालंकार पं. हरिशरण, शर्मा जयदेव, सातवलेकर पं. दामोदर, ब्रह्ममुनि स्वामी और शर्मा पं. तुलसीराम, सामवेद भाष्य, नाग प्रकाशन, नई दिल्ली, 1992
9. वेदालंकार आचार्य रामनाथ, सामवेदभाष्य, समर्पण शोध संस्थान, साहिबाबाद उत्तर प्रदेश 1998
10. Arnold, E.V. Vedic Metre in its Historical Development, Cambridge University Press, 1905.
11. Dwivedi Dr. Kapildev, Vedic Literature and Culture, University Publications, Varanasi. 2002.
12. Saraswati Swami Satyaprakash, Sāmveda Samhita (English translation), Veda Pratishthan, New Delhi, 2009.
13. Sharma Pankajmala, Samagan: Origin, Practice and Theory, Katyayan Vedic Sahitya Prakashan, Hoshiarpur, 1996.
14. Vidyamartanda Vishwanath, Samaveda (Spiritual Commentary), Dayanand Sansthan, Delhi, 2003.

Additional Resources:

1. Tripathi Radhavallabh, Veda in Theory and Practice, DK Printworld Ltd, New Delhi, 2006.
2. Tathagatananda, Swami, 'Journey of the Upanisads to the West', Advaita Ashram Publication, Kolkata, 2010.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-9 : Vaidika Vyākaraṇa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vaidika Vyākaraṇa	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of the course is to equip the students with the knowledge of Aṣṭādhyāyī Sūtras related to Vedic contexts. It will also help the students to know about Vaidika Sandhi, Svāra, Pratyaya etc. Varṇocāraṇaśikṣā defines Varṇa, Svāra etc. for proper pronunciation of Vedic mantras.

Learning outcomes

After completion of this course, the students:

- will learn about Vaidika Sandhi, Svāra and Pratyaya etc.
- will be able to understand the concept of Vyatyaya
- will be able to appreciate the role of Varṇocāraṇaśikṣā for understanding Vedic verses, and related issues.
- will be able to recite Mantras in their true form with the knowledge of Vaidika Svāra.
- will be successful in applying this knowledge for exploring other Vedic texts.

Detailed Syllabus

Unit: I	Hour 11
Siddhāntakaumudī, Vaidikī Prakriyā, Chapter 1-4	
Unit: II	Hour 12
Siddhāntakaumudī, Vaidikī Prakriyā, Chapter 5-8	
Unit: III	Hour 11
Varṇocāraṇaśikṣā (Dayānanda)	

Unit: IV**Hour 11**

Vaidika Svāra : Udātta, Anudātta, Svarita, Pracaya, Kampa, Amantritasvara, Akhyātasvara, Pratyasvara, Svāra Vyatya

Tutorial Activities:

- Doubt solving classes.
- Development of writing and reading skills in Sanskrit.
- Learning of Vedic Declension, Conjugation, and Pratyaya.
- Practice of Vedic Accent.

Essential/Recommended Readings/Texts

1. वैयाकरणसिद्धान्तकौमुदी (वैदिकी प्रक्रिया), हिन्दी व्याख्या सहित, सम्पादक,
2. डॉ. उमा शंकर शर्मा 'ऋषि', चौखम्बा विद्याभवन, वाराणसी।
3. वैयाकरणसिद्धान्तकौमुदी (वैदिकी प्रक्रिया), हिन्दी व्याख्या, दामोदर महतो, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली
4. वैदिक व्याकरण, आर्थर एन्थोनी मैकडानल, अनुवादक, सत्यव्रत शास्त्री, मोतीलाल बनारसीदास, दिल्ली,
- वैदिक व्याकरण, डॉ. रामगोपाल, मयूर पेपरबैक्स, नोएडा, २००३
5. वैदिक व्याकरण, उमेशचन्द्र पाण्डेय, चौखम्बा विद्याभवन, वाराणसी, 2003
6. पाणिनीयशिक्षा, 'आभा' हिन्दी टीका, प्रो. श्री नारायण मिश्र, चौखम्बा विद्याभवन, वाराणसी।
7. सौवरः, स्वामी दयानन्द सरस्वती, वैदिक यन्त्रालय, अजमेर, राजस्थान।
8. वैदिकस्वरमीमांसा, पं. युधिष्ठिर मीमांसक, रामलाल कपूर ट्रस्ट, रेवली, सोनीपत।
9. वैदिकस्वरबोध, डॉ. ब्रजबिहारी चौबे, वैदिक साहित्य सदन, होशियारपुर, पंजाब।
10. वैदिक-स्वर-अवधारणा, डॉ. पारसनाथ त्रिपाठी, संदीप प्रकाशन, बस्ती, १९७८
11. स्वरप्रक्रियाप्रकाश, डॉ. वामदेव मिश्र, गीता संस्कृत प्रकाशन, राजमन्दिर, वाराणसी, १९७५

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Brahmasūtraśrībhāṣya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Brahmasūtraśrībhā-ṣya	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with advanced knowledge of the Vishishtadvaita Vedānta system by critically examining Rāmānuja’s commentaries on the Brahmasūtra. The course aims to foster a deeper understanding of the philosophical debates and principles articulated in these seminal works.

Learning outcomes

Upon completing this course, students will:

- Understand viśiṣṭādvaita as a philosophical position within the context of Indian philosophy.
- Critically evaluate Rāmānuja’s interpretations of the Brahmasūtra.
- Gain extensive and in-depth knowledge of Vishishtadvaitic metaphysical, ethical, and analytical frameworks.
- Explore the methods used by Rāmānuja, including their reliance on Śruti (scriptures), Smṛti (tradition), and Anubhava (experience), to substantiate their viśiṣṭādvaita theories.

Detailed Syllabus

Unit: I	Hour 11
• Brahmasūtraśrībhāṣya (1.1.1) Jijñāsādhikaraṇa	
Unit: II	Hour 11
• Brahmasūtraśrībhāṣya (1.1.2) Janmādyadhikaraṇa	
Unit: III	Hour 11
• Brahmasūtraśrībhāṣya (1.1.3) Śāstrayonitvādhikaraṇa	
Unit: IV	Hour 12
• Brahmasūtraśrībhāṣya (1.1.4) Samanvayādhikaraṇa	

Tutorial Activities:

1. Textual Reading & Explanation
2. Concept Mapping
3. Analytical Discussion
4. Comparative Study
5. Debate Session
6. Writing Assignment
7. Quiz & Oral Examination
8. Presentation
9. Research Extension
10. Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. ब्रह्मसूत्रभाष्यम् श्रुतप्रकाशिकायुतम्. विशिष्टाद्वैत प्रचारिणी सभा, मद्रास. 1989
2. श्रीभाष्यम्, (व्या.) शिवप्रसाद द्विवेदी, चौखम्बा विद्याभवन, वाराणसी. 2019
3. श्रीभाष्यम्, (व्या.) ललित कृष्ण गोस्वामी, श्री निम्बार्काचार्य पाट, प्रयाग, सं. 2030
4. Sri Bhashya, (Tr.) M. Rangacharya, The Brahmavadin Press, Madras, 1899

Additional Resources

1. शर्मा, चन्द्रधर. भारतीय दर्शन: आलोचन व अनुशीलन. मोतीलाल बनारसीदास, दिल्ली, 2001.
2. उपाध्याय, बलदेव. संस्कृत वाङ्मय का बृहद इतिहास (वेदान्त खण्ड), उत्तर प्रदेश संस्कृत संस्थान, लखनऊ, 2001.
3. Chari, S. M. S. *Fundamentals of Viśiṣṭādvaita Vedānta*. Motilal Banarsidass, Delhi. 1998
4. Hiriyanna, M. *Outline of Indian Philosophy*. George Allen & Unwin Ltd., London, 1967.
5. Pandey, Ram Chandra. *Panorama of Indian Philosophy*. English and Hindi versions, Motilal Banarsidass, Delhi, 1966.
6. Radhakrishnan, S. *Indian Philosophy, Vols. 1–2*. London, 1967. (also Hindi translation by Nanda Kishor Gomil, Delhi, 1986.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Nyāyasiddhāntamuktāvalī II**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Nyāyasiddhāntamuktāvalī II	04	3	1	0	Nil	Nil

Learning Objectives

The primary objective of this course is to provide students with an in-depth understanding of the metaphysical and epistemological theories formulated by the Nyāya-Vaiśeṣika tradition. Through the study of Nyāyasiddhāntamuktāvalī by Viśvanātha Nyāyapañcānana, the course aims to develop critical knowledge of the core principles and categories of this philosophical school.

Learning outcomes

Upon completing this course, students will:

- Develop an understanding of Realism in the Indian philosophical context.
- Gain extensive knowledge of Nyāya-Vaiśeṣika categories.
- Acquire fundamental insights into other philosophical positions concerning the categories endorsed by the Nyāya-Vaiśeṣika tradition.
- Appreciate and differentiate the diverse perspectives and debates within the Nyāya-Vaiśeṣika tradition.

Detailed Syllabus

Unit: I	Hour 11
Nyāyasiddhāntamuktāvalī Anumāna Khaṇḍa (Kārikā 66-67) Anumiti, Parāmarśa	
Unit: II	Hour 11
Nyāyasiddhāntamuktāvalī Anumāna Khaṇḍa (Kārikā 68-69) Vyāpti, Pūrvapakṣa-vyāpti, Siddhāntapakṣa-vyāpti	
Unit: III	Hour 11
Nyāyasiddhāntamuktāvalī Anumāna Khaṇḍa (Kārikā 70-71) Pakṣa, Hetvābhāsa & its types	
Unit: IV	Hour 12
Nyāyasiddhāntamuktāvalī Anumāna Khaṇḍa (Kārikā 72-78) Savyabhichar, Viruddha, Asiddhi, Satpratipakṣa & Badh Hetvābhāsa	

Tutorial Activities:

1. Textual Reading & Explanation
2. Concept Mapping
3. Analytical Discussion
4. Comparative Study
5. Debate Session
6. Writing Assignment
7. Quiz & Oral Examination
8. Presentation
9. Research Extension
10. Interdisciplinary Connection

Essential/Recommended Readings/Texts

1. भट्टाचार्य, विश्वनाथ पञ्चानन. *न्यायसिद्धान्तमुक्तावली दिनकरी*. व्याख्याकार: राजाराम शुक्ल, भारतीय उच्च अध्ययन संस्थान, शिमला. 2015
2. भट्टाचार्य, विश्वनाथ पञ्चानन. *कारिकावली* (प्रभा-मञ्जूषा-दिनकरी-रामरुद्री इत्यादि टीकाओं सहित). चौखम्बा संस्कृत सिरीज, वाराणसी. 1996
3. भट्टाचार्य, विश्वनाथ पञ्चानन. *न्यायसिद्धान्तमुक्तावली*. व्याख्याकार: कृष्णवल्लभाचार्य, चौखम्बा संस्कृत संस्थान, वाराणसी, 1990
4. भट्टाचार्य, विश्वनाथ पञ्चानन. *कारिकावली* (मुक्तावली सहिता अनुमानोपमानशब्दस्मृतिमनोगुणखण्डात्मिका). व्याख्याकार: लोकमणि दहाल, चौखम्बा सुरभारती प्रकाशन, वाराणसी

Additional Resources

1. शास्त्री, धर्मेन्द्रनाथ. *न्याय वैशेषिक*. मोतीलाल बनारसीदास, दिल्ली, 1968.
2. Dasgupta, S. N. *A History of Indian Philosophy*. Motilal Banarsidass, Delhi, 1975. (Also Hindi translation by Kalanath and Sudhir Kumar, Rajasthan Hindi Granth Academy, 1978).
3. Hiriyanna, M. *Outlines of Indian Philosophy*. George Allen & Unwin Ltd., London, 1967.
4. Mishra, Umesh. *History of Indian Philosophy, Vol. 2, Nyāya-Vaiśeṣika*. Tribhukti Prakashan, Allahabad, 1966.
5. Pandey, Ram Chandra. *Panorama of Indian Philosophy*. English and Hindi versions, Motilal Banarsidass, Delhi, 1966.
6. Radhakrishnan, S. *Indian Philosophy, Vols. 1-2*. London, 1962. (Also Hindi translation by Nanda Kishor Gomil, Delhi, 1986).
7. Shastri, D. N. *Critique of Indian Realism*. Bhartiya Vidya Prakashan, Delhi, 1976.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Subhāṣitakāvya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Subhāṣitakāvya	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to give the students glimpses of the Subhāṣitasamgrakāvya in Sanskrit literary tradition through the reading of four very important compositions of Dharadāsa, Jalhaṇa, Vedāntadeśika and Amitagati.

Learning outcomes

After completion of this course the students:

- will be able to appreciate the values of so many good sayings in prescribed composition.
- Will understand the structural patterns of Sanskrit Subhāṣitasamgrakāvya.
- Will be familiar with the individual styles of so many poets.

Detailed Syllabus

Unit: I सदुक्तिर्णामृत (धरदास) – उच्चावच प्रवाह	Hour 11
Unit: II सूक्तिमुक्तावली (जल्हण) – नमस्कार एवं आशीर्वादपद्धति	Hour 11
Unit: III सुभाषितनीवी (वेदान्तदेशिक)	Hour 11
Unit: IV सुभाषितरत्नसन्दोह (अमितगति) – (प्रारम्भिक 100 पद्य)	Hour 12

Tutorial Activities:

- Śloka-by-Śloka Commentary Exercise
- Identify the Message” Discussion Circle
- Role-Play & Storytelling
- Subhāṣita Recitation Competitions
- Compose Your Own Subhāṣita
- Essential/Recommended Readings/Texts

Essential/Recommended Readings/Texts**Essential Readings:**

1. सदुक्तिकर्णामृत (धरदास) – राधावल्लभ त्रिपाठी, साहित्य अकादमी, दिल्ली, 2007
2. सदुक्तिकर्णामृत (धरदास) – रामावतार शर्मा, हरदत्त शर्मा, मोतीलाल बनारसीदास, लाहोर
3. सदुक्तिकर्णामृत (धरदास) – सुरेश चन्द्र बनर्जी, फर्मा के. एल. मुखोपाध्याय, कलकत्ता, 1965
4. सूक्तिमुक्तावली (जल्हण) – ई. कृष्णमाचार्य, गायकवाड ओरियण्टल सीरीज, बडोदा, 1938
5. सुभाषितनीवी (वेदान्तदेशिक) – नरसिंहाचार्य, श्रीवाणी विलास प्रेस, श्रीरंगम्
6. सुभाषितरत्नसन्दोह (अमितगति) – श्रीलालजैन काव्यतीर्थ, राष्ट्रियसंस्कृतसंस्थान, दिल्ली, 2010

Additional Resources:

1. शर्मा उमा शंकर 'ऋषि' – संस्कृत साहित्य का इतिहास, चौखम्बा भारती अकादमी, वाराणसी
2. व्यास भोलाशंकर – संस्कृत कवि दर्शन, चौखम्बा विद्याभवन, वाराणसी
3. Arthur A. Macdonell – History of Sanskrit Literature, Munshiram Manoharlal, New Delhi.
4. Aggarwal Hans Raj – A short history of Sanskrit Literature, Munshiram Manoharlal, New Delhi.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8 Navyakāvyaatattvamīmāṃsā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Navyakāvyaatattvamīmāṃsā	04	3	1	0	Nil	Nil

Learning Objectives

The course seeks to introduce contemporary theories on Sanskrit poetics, dealing with traditional and modern questions. It seeks to show how Sanskrit Poetics is a living tradition.

Learning outcomes

After completion of this course the students:

- Will have an understanding of the new approach in the realm of Sanskrit Poetics,
- Will acquire knowledge of the different dimensions of poetry i.e. effects (Prayojana). cause (Hetu), definition (Lakshana) and forms (Kavya-Bheda), poetics -Excellences (Kavya-Guna) etc. through the reading of the texts of Navyakāvyaatattvamīmāṃsā of Acharya Rahasa Bihari Dwivedi.
- Will become aware of the new concept of soul of Poetry.
- Will acquire the knowledge of the different dimensions of poetics.
- will be able to compare modern and ancient thoughts of Poetics.
- will gain the ability to explain and critically analyze the prescribed texts.

Detailed Syllabus

Unit: I

Hour 11

प्रथमोन्मेष : संस्कृतवाग्वैशिष्ट्य, काव्यप्रयोजन, काव्यहेतु, काव्यस्वरूप ।

द्वितीयोन्मेष : नवीन रस – राष्ट्रभक्तिरस, प्रक्षोभरस, भक्तिरस ।

तृतीयोन्मेष : प्राक्तन आचार्यों द्वारा किए गए काव्यान्तस्तत्त्वों का निरूपण – रस, अलंकार, रीति, मार्ग, ध्वनि, गुण, रीति-मार्ग नामकरण वैमत्य, वक्रोक्ति, औचित्य, उक्ति, गुम्फनाबन्ध, सौन्दर्य ।

Unit: II

Hour 11

चतुर्थोन्मेष : अभिनव काव्यविधाओं का स्वरूप – महाकाव्य (अन्य काव्य विधाएँ), दूतकाव्य, खण्डकाव्य, विमानकाव्य, लहरीकाव्य, स्तोत्रकाव्य, शतककाव्य, समस्यापूर्तिकाव्य, गुप्ताशुद्धिकाव्य, नभोनाट्यम (आकाशवाणीरूपक), गीतकाव्य, रागकाव्य, अनुकृतिकाव्य, हास्य-व्यंग्यकाव्य, अन्योक्तिकाव्य, विल्वपत्र -(हाईकू) काव्य, तान्काकाव्य, सीजोकाव्य, लघुबिम्बकाव्य, लिपिरूपककाव्य, लघुवर्णकाव्य ।

पञ्चमोन्मेष : गद्यविधा – उपन्यास, लघुकथा, निबन्ध और आलेख, संस्मरण, समीक्षा, आलोचना, अनुशीलन और परिशीलन, अवेक्षण, विमर्श, मीमांसा ।

षष्ठोन्मेष : काव्य के नूतन लोकोत्तराह्लाद प्रकार – बिम्बबिधान, विरेचन और उत्कृष्टता।

Unit: III

Hour 11

सप्तमोन्मेष : अन्य वैदेशिक मत – लेटिन समीक्षक – होरेस, किन्टीलियन, फिलिपसिडनी, ड्राइडन।

आंग्ल समीक्षा में नूतन प्रवृत्तियाँ – मिल्टन, जोन्सन, लांजायन-मिल्टन के मत में समत्व, जानडोविस, जोसफ ऐडिसन, एडवर्ड यंग, रिचर्डहर्ड, अलेक्जेंडर पोप, सैम्युअल वर्ड्सवर्थ, सैम्युअल टेलर कालरिज, शेली, थामसलवपीकाक, एस. टालस्टाय, मैथ्यूआर्नोड, बेनेडेट कोचे, आइ. एस. रीचर्डस, टी. एस. इलियट, टी. एस. ह्यूमा

Unit: IV

Hour 12

अष्टमोन्मेष : साहित्य में विविध वाद – साम्यवाद, समाजवाद, वास्तववाद, अस्तित्ववाद, राष्ट्रवाद, रहस्यवाद, विदेशवाद, स्वच्छन्दतावाद, मनोविश्लेषणवाद, अभिव्यक्तिवाद, प्रभाववाद, प्रगतिवाद, प्रयोगवाद, आकारवाद, नारीवाद, जनवाद और शाश्वतिकवाद। भारतीय मत का वैशिष्ट्य।

Tutorial Activities:

- Textual Reading & Explanation
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Debate Session
- Writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- Interdisciplinary Connection

Essential/Recommended Readings/Texts

Essential Readings:

1. द्विवेदी, रहस्यविहारी – नव्यकाव्यतत्त्वमीमांसा – अक्षयवट प्रकाशन, २६ बलरामपुर हाउस, प्रयागराज, उत्तर प्रदेश – प्रथम संस्करण – २०२४

Additional Resources:

2. द्विवेदी, रेवा प्रसाद, भारतीय काव्यसमीक्षा में अलङ्कार सिद्धान्त, मेकमिलन एण्ड कम्पनी, दिल्ली, 1980
3. द्विवेदी, रेवा प्रसाद, संस्कृत काव्यशास्त्र का आलोचनात्मक इतिहास, कालिदास संस्थान, वाराणसी, 2007
4. द्विवेदी, रहस्यविहारी, साहित्यविमर्शः, सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2002
5. नान्दी, टी.एस., सहृदयालोकलोचन, एल. डी. इंस्टीट्यूट ऑफ इंडोलॉजी, अहमदाबाद, 2005
6. पाण्डेय, रमाकान्त, आधुनिकसंस्कृतकाव्यशास्त्रसमीक्षणम्, जगदीश संस्कृत पुस्तकालय, जयपुर, 2009
7. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
8. यादव राजमङ्गल, संस्कृत काव्यशास्त्र की अर्वाचीन परम्परा, प्रतिभा प्रकाशन, दिल्ली, 2011

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Rasagaṅgādhara**Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Rasagaṅgādhara	04	3	1	0	Nil	Nil

Learning Objectives

Rasagaṅgādhara of Paṇḍitarāja Jagannātha is an important text in Sanskrit poetics. The purpose of this course is to introduce the learners with the latest dimensions with a complete tradition of Sanskrit poetics. The concept of Sanskrit poetics with examples in Navya Nyāya style will also be focused in this course.

Learning outcomes

Upon Successful completion of this course students:

- will form a deep understanding of the fundamental terminologies of kavya as presented by Paṇḍitarāja Jagannātha.
- will be successful in applying this knowledge of Navya Nyāya style for critical analysis in the light of Sanskrit poetics.
- will gain the ability to explain and critically analyze the prescribed texts.
- will be able to appreciate and enjoy the expressions of poetry.

Detailed Syllabus

Unit: I	Hour 11
प्रथम आनन — प्रारम्भ से काव्यभेद पर्यन्त	
Unit: II	Hour 11
प्रथम आनन — रसनिरूपण	
Unit: III	Hour 11
प्रथम आनन — गुणनिरूपण, शब्दगुणलक्षण	
Unit: IV	Hour 12
प्रथम आनन — अर्थगुणलक्षण, भावध्वनि, भावलक्षण तथा रसाभास से प्रथम आनन की समाप्ति पर्यन्त	

Tutorial Activities:

- Orientation to Jagannātha and His Contribution
- Rasa Illustration Workshop
- Dhvani Analysis Exercise

- Comparative Discussion: Dhvani vs. Rasa-prādhānya
- Group Discussion: Rasa and Modern Aesthetics

Essential/Recommended Readings/Texts

Essential Readings:

1. रसगङ्गाधर – पण्डितराज जगन्नाथ, (व्या.) पं. बदरीनाथ झा, पं. मदनमोहन झा, चौखम्बा विद्याभवन, वाराणसी.
2. रसगङ्गाधर – पण्डितराज जगन्नाथ, (व्या.) दलवीर सिंह चौहान, रूपेश कुमार चौहान, चौखम्बा कृष्णदास अकादमी, वाराणसी.
3. रसगङ्गाधर – पण्डितराज जगन्नाथ, (व्या.) भट्ट मथुरानाथ शास्त्री, मोतीलाल बनारसीदास, दिल्ली.
4. रसगङ्गाधर – पण्डितराज जगन्नाथ, (व्या.) रामाधार शर्मा, भारतीय बुक कार्पोरेशन, दिल्ली.

Additional Resources:

1. De, Sushil Kumar, History of Sanskrit Poetics (also Hindi translation), Oriental Book Centre, Delhi, 2006.
2. Kane, P.V., *History of Sanskrit Poetics* (also Hindi translation), M.L.B.D., Delhi, 2002.
3. Pandey, Kanti Chandra, *Comparative Aesthetics*, Vol. 1, (also Hindi translation) Chaukhamba Sanskrit Series Office, Varanasi, 1972.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Vaiyākaraṇasiddhāntaparamalaghumañjūṣā

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	04	3	1	0	Nil	Nil

Learning Objectives

The Objective of this course is to make the students acquire an advance knowledge of the derivational process of the Sanskrit Verbal root through the readings of the text of Siddhantkaumudī.

Learning outcomes

After the completion of this course the students will:

- be able to interpret the Sūtras of the relevant portions of the text
- be able to understand important application of interpretive rules and concepts such as -the
- concept of Vipraṭiṣṭhā edheparam kārya, general & exception rules (utsargāpavāda vyavasthā), Metarules (Paribhāṣā) in the derivational process.
- be able to identify and use the advance forms of the words ending within suffixes in actual language situations.
- be able to explain the derivational process of the Sanskrit verbal paradigms.

Detailed Syllabus

Unit: I	Hour 11
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	
Unit: II	Hour 11
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	
Unit: III	Hour 11
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	
Unit: IV	Hour 12
Vaiyākaraṇasiddhāntaparamalaghumañjūṣā	

Tutorial Activities:

- Doubt solving class
- Concept Clarification Chart
- Applied Grammar Analysis

Essential/Recommended Readings/Texts

1. वैयाकरणसिद्धान्तकौमुदी (बालमनोरमा-तत्त्वबोधिनी-टीका) गिरिधरशर्माचतुर्वेदएवंपरमेश्वरानन्दशर्मा, तृतीयभाग, दिल्ली.
2. गोविन्दाचार्य, वैयाकरणसिद्धान्तकौमुदी (चतुर्थभाग: प्रथमखण्ड, द्वितीयखण्ड), चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2010.
3. जिज्ञासु, पं. ब्रह्मदत्त सोनीपत, हरियाणा अष्टाध्यायी (भाष्य) प्रथमावृत्ति, रामलालकपूरट्रस्ट, बहालगढ़.
4. शास्त्री शिवनारायण, वैयाकरण-सिद्धान्तकौमुदी, भ्वादिगण (भवतोषिणी हिन्दीटीका सहित), दिल्ली 1989.
5. Sharma, Ramanath - The Astadhyayi of Panini, Vol.1 to Vol. 6, Munshiram Monoharlal Publishers Pvt. Ltd. Delhi. 1987-2003.
6. Vasu, S.C. The Astadhyayi of Panini (2 Vols.), Motilal Banarasidass, Delhi-1997.
7. E-Learning Tools developed by Computational Sanskrit Group, Department of Sanskrit University of Delhi available at: <https://cl.sanskrit.du.ac.in>.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Mahābhāṣya

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Mahābhāṣya	04	3	1	0	Nil	Nil

Learning Objectives

This course intends to introduce the students to some very important concepts of philosophy of language as propounded by the Grammarian philosophers through the reading of the texts of Mahābhāṣya.

Learning outcomes

After the completion of this course the students will:

- be able to observe and appreciate the contributions of the ancient Indian Thinkers of the philosophy of language and linguistic.
- be able to understand the important, relevant and the purposes of the study of the Grammar.
- be able to understand the issues of philosophy of Grammar in general.
- be able to understand the nature of the word, meaning and their relation

Detailed Syllabus

Unit: I महाभाष्य, पस्पशाह्निक- व्याकरण-प्रयोजन की समाप्ति पर्यन्त	Hour 11
Unit: II महाभाष्य, पस्पशाह्निक समाप्ति पर्यन्त	Hour 11
Unit: III महाभाष्य, पस्पशाह्निक- व्याकरण-प्रयोजन की समाप्ति पर्यन्त	Hour 11
Unit: IV महाभाष्य, पस्पशाह्निक समाप्ति पर्यन्त	Hour 12

Tutorial

- Pāṭha–Prayoga Connection Workshop
- Śabda-Bodha & Anvaya Exercise
- Identify Bhāṣya-Style Reasoning Patterns
- Comparative Grammarian Study
- Essential/Recommended Readings/Texts

Essential/Recommended Readings/Texts

1. वैयाकरणसिद्धान्तकौमुदी (बालमनोरमा-तत्त्वबोधिनीटीका), (सं.) गिरिधरशर्मा चतुर्वेद एवं परमेश्वरानन्दशर्मा, चतुर्थभाग, दिल्ली.

Additional Resources:

2. वैयाकरणसिद्धान्तकौमुदी, श्रीधरमुखोल्लासिनी हिन्दीव्याख्यासमन्विता तद्धित प्रकरण, गोविन्दाचार्य व्याख्याकार एवं सम्पादिका लक्ष्मी शर्मा.
3. वैयाकरणसिद्धान्तकौमुदी, श्रीधरमुखोल्लासिनी हिन्दीव्याख्यासमन्विता स्त्री, कारक एवं समास प्रकरण, गोविन्दाचार्य व्याख्याकार एवं सम्पादिका लक्ष्मी शर्मा.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Āpastamba Dharmasūtra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Āpastamba Dharmasūtra	04	3	1	0	Nil	Nil

Learning Objectives

This course aims to introduce students to the Āpastamba Dharmasūtra, one of the oldest and most significant texts in the tradition of Dharmaśāstra. Students will learn about its social, ethical, and religious principles, with a focus on the practical guidelines. The course emphasizes the application of Dharma in personal and social spheres, particularly regarding daily rituals, social conduct, and sanskaras.

Learning outcomes

- 4. Students will develop a deep understanding of the ethical, social and religious principles outlined in the Āpastamba Dharmasūtra, and how they guide personal conduct and social interactions.
- 5. Learners will analyze how the Āpastamba Dharmasūtra addresses various aspects of social life, such as varna duties, marriage, family obligations, and the role of community in maintaining social order.
- 6. Students will examine the significance of religious rituals and rites, especially those related to purification, sacrifices, and rites of passage as outlined in the text.

Detailed Syllabus

Unit: I Āpastamba Dharmasūtra, Prathama Praśn Paṭala-1 to 6	Hour 11
Unit: II Āpastamba Dharmasūtra, Prathama Praśn Paṭala-7 to 11	Hour 11
Unit: III Āpastamba Dharmasūtra, Dvītīya Praśn Paṭala-1 to 6	Hour 11
Unit: IV Āpastamba Dharmasūtra, Dvītīya Praśn Paṭala-7 to 11	Hour 12

Tutorial Activities:

- Group Discussion
- Quiz

- Case Study Analysis
- PPT Presentation

Essential/Recommended Readings/Texts

1. पाण्डेय, उमेशचन्द्र.(2016). आपस्तम्ब-धर्मसूत्रम् (उज्ज्वला टीका सहित). चौखम्बा संस्कृत संस्थान, वाराणसी.
2. राकेश शास्त्री. आपस्तम्ब-धर्मसूत्रम् (उज्ज्वला टीका सहित). चौखम्भा ओरियन्टलिया, दिल्ली.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Inscriptions of Pre-medieval India

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Inscriptions of Pre-medieval India	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce students to the study of pre-medieval inscriptions, focusing on their historical, cultural and linguistic importance. It aims to provide an understanding of the inscriptions from various regions before the medieval period, covering a wide range of dynasties, rulers and civilizations. The course will explore the content, style and scripts of these inscriptions, enabling students to analyze their significance in documenting political, religious and social developments. Students will learn how these inscriptions contribute to the reconstruction of ancient Indian history.

Learning outcomes

After the completion of this course, the students will:

- Understand the historical, cultural, and linguistic significance of pre-medieval inscriptions.
- Be able to analyze inscriptions from various dynasties and regions prior to the medieval period.
- Gain insights into the political, religious and social content of pre-medieval inscriptions.
- Develop the skills to interpret different scripts and styles used in pre-medieval inscriptions.
- Appreciate the role of pre-medieval inscriptions in reconstructing the history of ancient India.

Detailed Syllabus

Unit: I

Hour 11

- Historical study of Pre-Medieval India
- Significance & Geographical Spread of Inscriptions in the 'Rajput Age'
- Impact of land grants on economy
- Development of regional scripts

Unit: II

Hour 11

- Gwalior Inscription of Mihirbhoja
- Pehwa Inscription of Mahendrapala

Unit: III

Hour 11

- Banswada Inscription of Bhojadeva
- Ujjain Copper Plate Inscription of Bhojadeva
- Ujjain Copper Plate Inscription of Arjunvarmadeva

Unit: IV**Hour 12**

- Rajghat Inscription of Bhimadeva
- Delhi Topra Inscription of Bisaldeva
- Bodhgaya Inscription of Lakshmansena
- Palam Bawri Inscription of Uddhar
- Narayana-koop Inscription of Shridhara

Tutorial Activities:

- Learning of dating systems and chronology
- Study of dynastic lineage and genealogy
- Knowledge of geographical location and mapping
- Study of scripts, language and palaeography

Essential/Recommended Readings/Texts

1. मिश्र, राजेंद्र प्रसाद. शिलालेखों का अध्ययन: प्राचीन भारत. भारतीय विद्या प्रकाशन, दिल्ली, 2008.
2. श्रीवास्तव, के. सी. प्राचीन भारत का इतिहास तथा संस्कृति. यूनाइटेड बुक डिपो, इलाहाबाद, 2022.
3. सैनी, रणजीत सिंह. अभिलेखमञ्जूषा. न्यू भारतीय बुक कार्पोरेशन, दिल्ली, 2000.
4. प्रकाश, प्रेम. भारतीय शिलालेख और ऐतिहासिक स्रोत. चौखम्बा संस्कृत सीरीज़, वाराणसी, 2010.
5. शर्मा, हरिशंकर. प्राचीन भारतीय शिलालेख और उनकी भाषा. हिंदीग्रंथ कार्यालय, दिल्ली, 2012.
6. सहाय, शिवस्वरूप. भारतीय पुरालेखों का अध्ययन. मोतीलाल बनारसीदास, दिल्ली, 2008.
7. ऋषि, उमाशंकर. अभिलेख रत्नमाला. नागरी प्रचारिणी सभा, वाराणसी, 1984.
8. Sircar, D.C. Select Inscriptions Vol II. Motilal Banarsidass, Delhi, 1965.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Role of Museums in Preserving Indian Cultural Heritage

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Role of Museums in Preserving Indian Cultural Heritage	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to explore the vital role museums play in preserving and promoting Indian cultural heritage. It aims to provide students with an understanding of how museums collect, conserve, and display artifacts to safeguard India's rich cultural history. The course will also examine the functions of museums in education, research, and public engagement, helping students recognize the significance of museums in protecting and transmitting India's diverse cultural traditions for future generations.

Learning outcomes

After the completion of this course, the students will:

- Understand the role of museums in preserving and promoting Indian cultural heritage.
- Learn how museums collect, conserve, and display cultural artifacts.
- Appreciate the educational and research functions of museums in cultural preservation.
- Gain insights into how museums engage the public and raise awareness of cultural heritage.
- Recognize the significance of museums in safeguarding India's diverse cultural traditions for future generations.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Museums and Cultural Heritage

- Definition and evolution of museums
- Museums and cultural heritage preservation
- History and types of museums in India
- Museums and cultural identity

Unit: II

Hour 11

Museum Collections and Preservation Techniques

- Categories of museum collections
- Advanced preservation techniques
- Climate impact on preservation
- Ethical issues: Repatriation and restitution

Unit: III**Hour 11****Museums and Public Engagement in India**

- Museums as educational and historical spaces
- Role of museums in intangible heritage
- Impact of digital technologies on museums
- Museums and cultural tourism

Unit: IV**Hour 12****Challenges and Future of Museums in India**

- Financial and infrastructural challenges
- Museum management and professionalization
- Digitalization and online exhibits
- Future directions: Sustainability and community engagement

Tutorial Activities:

- Documentation and Cataloguing
- Education and Public Awareness
- Promotion of Cultural Identity and Unity
- Modern Developments
- Museum Visit Fieldwork
- Group Presentation Themes

Essential/Recommended Readings/Texts

1. "Indian Museums: The Evolution of Museums in India" by P.N. Chopra
2. "Museums and Cultural Heritage in India" by Ratan Parimoo
3. "भारतीय संग्रहालय और सांस्कृतिक धरोहर" by डॉ. रतन परिमू
4. "Museums and Artifacts: A Study of Indian Collections" by V.S. Pathak
5. "संग्रहालय और भारतीय कला" by डॉ. एस.के. मिश्र
6. "Indian Heritage: A Cultural Perspective" by K.K. Aziz

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Geographical, Astronomical and Philosophical Elements in Viṣṇu-Purāṇa

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Geographical, Astronomical and Philosophical Elements in Viṣṇu-Purāṇa	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this course is to introduce the students to geography of ancient puranic time India, some basic elements of Astronomy and some philosophical theories mentioned in Viṣṇu Purāṇa.

Learning outcomes

After the completion of this course the students will:

- able to understand and explain the Geographical elements of Viṣṇu Purāṇa.
- able to know about the basics of astronomical theories in the light of Viṣṇu Purāṇa and compare with the modern theories.
- be able to explain the philosophical theories mentioned in Viṣṇu Purāṇa.

Detailed Syllabus

Unit: I **Hour 11**

विष्णुपुराण (द्वितीय अंश) : भूगोल का विवरण, भारतादि नौ खण्डों का विभाग, सात पाताल लोकों का वर्णन (2.2-5)

Unit: II **Hour 11**

विष्णुपुराण (द्वितीय अंश) : भिन्न-भिन्न नरकों का वर्णन (2.6.1-30), भूर्भुवः आदि सात लोकों का वर्णन (2.7)

Unit: III **Hour 11**

विष्णुपुराण (द्वितीय अंश) : सूर्य, नक्षत्र एवं राशियों की व्यवस्था तथा कालचक्र (2.8.1-92) नवग्रहवर्णन (2.12-1-24)

Unit: IV **Hour 12**

विष्णुपुराण (द्वितीय अंश) : दार्शनिक सिद्धान्त (2.14-16)

Tutorial Activities:

- Orientation to Viṣṇu-Purāṇa
- Purāṇic Map-Making Workshop

- Solar & Lunar Motion Interpretation
- Concept Mapping
- Thematic Presentation

Essential/Recommended Readings/Texts

Essential Readings:

1. विष्णुपुराण, गीताप्रेस गोस्वपुर, सं. २०७१
2. विष्णुपुराण, सम्पा, टी.सी. उप्रैती, परिमल पब्लिकेशन्स,दिल्ली, 2005
3. विष्णुपुराण – सम्पा. - श्रद्धा शुक्ला, नाग प्रकाशन, दिल्ली

Additional Resources:

1. Tripathi, Diwakar Mani - Vishnu Puran Me Dharm Evam Darshan Ka Nirupan, Mahatma Gandhi Kashi Vidyapith, 2002.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Computing Sanskrit Grammar

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computing Sanskrit Grammar	04	3	0	1	Nil	Nil

Learning Objectives

Computational modeling of Pāṇini's Aṣṭādhyāyī (AD) is a field of study that aims to represent the grammar of Sanskrit in a logical, consistent, and non-verbal way. The goal is to create a framework that can be implemented algorithmically and used to evaluate hypotheses about the grammatical system. It also Aim to create a formal framework for representing the Pāṇinian system of Sanskrit grammar. The framework would use mathematical categories and logical relations to create a non-verbal representation.

Learning outcomes

Pāṇini's Aṣṭādhyāyī is a concise grammar of Sanskrit written in the form of about 4,000 sūtras. Some say that Pāṇini's grammar is similar to a modern computing language and that he laid the groundwork for universal computation. Students will be able to learn techniques of computing the AD.

Detailed Syllabus

Unit: I

Hour 11

Understanding the Rules for Analysis

- Paninian Methods for Understanding
- Role of the Various Types of Rules
- Decoding the Meta Concept of the Panini
- Understand the rule
 - Analyse the rules
 - List of external resource/rules

Unit: II

Hour 11

Development of Computational rule for Analysis

- Choosing best methods for generation of computational rules
- Rules Generation
- Exception handling
- Platform for the Rules: Text files/Database

Unit: III

Hour 11

Programming Algorithm

- Programming Algorithm for Recognition
- Programming Algorithm for Analysis
- Select the Programming Language

Unit: IV

Hour 12

- Computing the Sandhi Rules using Python
- Basics for the Python Programming Language

Tutorial Activities:

- Text Reading: Machine-Readable Grammar Concepts
- Concept Clarification Chart
- Sandhi Processor Exercise
- Database Creation
- Algorithm Design

Essential/Recommended Readings/Texts

2. <https://www.tutorialspoint.com/python>
3. <https://www.w3schools.com/python/>
4. <https://docs.python.org/3/tutorial/index.html>
5. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
6. <https://www.javatpoint.com/python-tutorial>
7. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
8. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.
9. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
10. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
11. Aamer Y. Khan, Python Programming Language with Python Project, Code Academy, 2024

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-8: Computational Sanskrit Poetics and Poetry

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computational Sanskrit Poetics and Poetry	04	3	0	1	Nil	Nil

Learning Objectives

The course explores the intersection of classical Sanskrit poetics and computational linguistics. It introduces students to the rich tradition of Sanskrit literary theories, including rasa (aesthetics), dhvani (suggestion), and alaṅkāra (figures of speech), while equipping them with computational tools to analyze and process poetic texts. Students will learn techniques for computational modeling of poetic structures, sentiment analysis, and the application of algorithms to study metrics, metaphors, and stylistics in Sanskrit literature. It explores key concepts, meter and alaṅkāra detection, and emerging interdisciplinary approaches, fostering both traditional understanding and digital innovation. By the end, learners will gain a unique perspective on integrating computational approaches with traditional Sanskrit poetics for research and innovation.

Learning outcomes

By the end of this course, students will:

6. Understand foundational principles and elements of Sanskrit poetics.
7. Learn computational techniques for meter detection and analysis.
8. Gain insights into identifying and analyzing śabda alaṅkāras using computational tools.
9. Explore emerging fields like gesture detection and rasa identification in Sanskrit aesthetics.
10. Develop practical skills in computational tool creation and application for Sanskrit poetics.

Detailed Syllabus

Unit: I

Hour 11

Introduction to Digital Sanskrit Poetics

- Digital Sanskrit Poetics: Meaning, Relevance and Scope
- Introduction to Sanskrit Poetics:
Key Elements: Chhanda, Alaṅkāra, Rīti, Rasa, etc.

Unit: II

Hour 11

Meter Analysis and Detection

- Introduction to Sanskrit Meters (Chandas): Definition, Types, and Examples.
- Computational Analysis and Meter Detection Techniques.
- Issues and Challenges in Analyzing Meters.

- Hands-On Practice: Developing Computational Tools for Meter Analysis.

Unit: III**Hour 11**

Alaṅkāra Analysis

- Introduction to Śabda Alaṅkāra.
- Computational Detection of Śabda Alaṅkāra.
- Issues and Challenges in Automating Alaṅkāra Analysis.
- Hands-On Practice: Developing Computational Tools for Alaṅkāra Detection.

Unit: IV**Hour 12**

New Emerging Fields and Their Issues and Challenges

- NLTK for Sāhitya
- Hands-on Practice: Words Frequency Analysis of Śiśupālavadhāṃ (Māgha-kṛta)
- Gesture Detection from Mudrās in Nāṭyaśāstra
- Exploring Other Emerging Areas in Digital Sanskrit Poetics (Rīti, etc.)

Practicals:

- Practice of the Sanskrit Chanda, Alaṅkāra, Rīti, Rasa, etc.
- Practice of Sanskrit Meters (Chandas): Definition, Types, and Examples
- Practice of NLTK for Sāhitya
- Analyzing the Sanskrit Metre
- Practical exercises on meter (chandas) detection using computational tools.
- Sample datasets preparation for alaṅkāra detection.
- Hands-on practice with Python libraries (e.g., NLTK) for textual analysis.
- Word-frequency and stylistic pattern analysis of selected Sanskrit texts.
- Scripted experiments in rasa and dhvani identification using basic computational models.
- Guided exploration of digital repositories for Sanskrit poetic texts.
- Development of a small prototype tool for analyzing poetic structures.

Essential/Recommended Readings/Texts

1. Viśvanātha. Sāhityadarpaṇa. Commentary by Nīrūpaṇavidyālaṅkāra. Sāhitya Bhandar, Meerut, 2004.
2. Chaudhuri, Narendra Nath. Kāvya-tattva-Samīkṣā (Saṃskṛtam). Delhi.
3. Rai, Vikramaditya. Kāvya-samīkṣā. Bharatiya Vidya Prakashan, Varanasi.
4. De, Sushil Kumar. History of Sanskrit Poetics. Oriental Book Centre, Delhi, 2006.
5. Kane, P. V. History of Sanskrit Poetics. MLBD, Delhi, 2002.
6. Pandey, Kanti Chandra. Comparative Aesthetics. Vol. 1. Chaukhamba Sanskrit Series Office, Varanasi, 1972.
7. Kṣemendra. Suvṛttatilaka. Ed. Vrajamohan Jha. Chaukhamba Sanskrit Series Office, Varanasi, 1968.
8. Kedārabhaṭṭa. Vṛttiratnākara. Ed. Baldev Upadhyaya. Chaukhamba Surbharati Prakashan, Varanasi, 2022.
9. Sharma, Dipak Kumar, editor. Suvṛttatilaka of Ksemendra. New Bharatiya Book Corporation, New Delhi, 2007.
10. Mammaṭa. Kāvya-prakāśa. Commentary by Ācārya Viśveśvara. Gyan Mandal Limited, Varanasi.
11. De, Sushil Kumar. History of Sanskrit Poetics. Oriental Book Centre, Delhi, 2006.
12. Kane, P. V. History of Sanskrit Poetics. MLBD, Delhi, 2002.
13. Piṅgala. Chandaḥsūtra. Various editions.
14. Śaṅkarānanda. Chandomañjarī. Chaukhamba Sanskrit Series.

15. Yādavaprakāśa. Vṛttiratnākara. Various scholarly editions.
16. Gajendragadkar, P. K. A New Approach to Sanskrit Prosody. University of Poona, 1964.
17. Mishra, Shiv Kumar. Sanskrit Chandaśāstra. Motilal Banarsidass, 2005.
18. Pande, G. C. Studies in Alaṅkāra Literature. Motilal Banarsidass, 1995.
19. Varma, V. S. Agrawala. Alaṅkāraśāstra. Chowkhamba, 2004.
20. Acharya, P. V. Kane. History of Sanskrit Poetics. Motilal Banarsidass, 2012.
21. De, Sushil Kumar. History of Sanskrit Poetics. Vols. 1–2. K. L. Mukhopadhyay, 1960.
22. Kunjunni Raja, K. Indian Theories of Meaning. The Adyar Library and Research Centre, 1980.
23. Masson, Jeffrey, and M. V. Patwardhan. Aesthetic Rapture. Motilal Banarsidass, 1970.
24. Raghavan, V., editor. New Dimensions in Sanskrit Poetics. Ramakrishna Mission, 1977.
25. Sastri, S. K. De. Studies in the History of Indian Aesthetics. Firma KLM, 1981.
26. Bird, Steven, Ewan Klein, and Edward Loper. Natural Language Processing with Python. O'Reilly, 2009.
27. Hellwig, Oliver. "Sanskrit Tagging and Digital Lexicography." Digital Humanities Quarterly, 2015.
28. Sharma, Muktabh Mayank. "NLP in Sanskrit: Current Developments and Challenges." Journal of Indic Studies, vol. 5, no. 2, 2021, pp. 35–52.
29. Sanskrit Library. Tools and Resources for Sanskrit Computational Analysis. sanskritlibrary.org
30. Brown, C. P. (2020). Sanskrit Prosody and Numerical Symbols Explained. (n.p.): Bod Third Party Titles.
31. Mukhopādhyāya, A. (2000). Sanskrit prosody: its evolution. India: Rabindra Bharati University.
32. सुवृत्ततिलक (क्षेमेन्द्र) – ब्रजमोहन झा, चौखम्बा संस्कृत सीरीज आफिस, वाराणसी, 1968
33. वृत्तरत्नाकर (केदारभट्ट) – बलदेव उपाध्याय, चौखम्बा सुरभारती प्रकाशन, वाराणसी, 2022
34. मिश्र, शोभाकान्त - अलंकार-धारणा : विकास और विश्लेषण, बिहार हिन्दी ग्रन्थ अकादमी, पटना
35. मिश्र, जयमन्त – अलंकार प्रकाश, मोतीलाल बनारसीदास, दिल्ली
36. कृष्णकुमार - अलंकारशास्त्र का इतिहास, साहित्य भण्डार, मेरठ
37. Svṛttatilaka of Ksemendra - Dipak Kumar Sharma, New Bharatiya Book Corporation, New Delhi, 2007.
38. <https://www.tutorialspoint.com/python>
39. <https://www.w3schools.com/python/>
40. <https://docs.python.org/3/tutorial/index.html>
41. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
42. <https://www.javatpoint.com/python-tutorial>
43. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
44. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.
45. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
46. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
 - a. Aamer Y. Khan, Python Programming Language with Python Project, Code Academy, 2024

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-8: Carakasamhitā: Chikitsasthana

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Carakasamhitā: Chikitsasthana	04	3	1	0	Nil	Nil

Learning Objectives

The Charaka Samhita is an ancient Ayurvedic medical treatise that aims to promote and maintain health, and cure disease. It also provides information on anatomy, physiology, and pharmacology. Ultimately the benefit of studying the Caraka Samhita is to achieve Dhatu Saamya (equilibrium of body components). The concept of Swastya is explained in every Sthana of Caraka Samhita which explains the significance or existence of concepts of personal health and well-being. The Charaka Samhita explains Ayurveda as the science of life, and the importance of maintaining a positive health.

Learning outcomes

- Students will be able to learn Charaka Samhita.
- Will promote and maintain health, and cure disease.
- Will be the further researchers in this field.
- Will able to learn basic concept of the Carakasamhitā: Chikitsasthana

Detailed Syllabus

Unit: I

Hour 11

Chikitsasthana

Rasāyana-adhyāya

Vājīkaraṇa-adhyāya

Unit: II

Hour 11

Chikitsasthana

Jvaracikitsita

Raktapittacikitsitam

Gulmacikitsitam

Unit: III

Hour 11

Pramehacikitsita

Kuṣṭhacikitsita

Rājayakṣmacikitsita

Unit: IV

Hour 12

Chikitsasthana

Unmādacikitsita
Apasmāracikitsita
Kṣatakṣīṇacikitsita
Śvayathucikitsita
Udaracikitsita

Tutorial Activities:

- Tridoṣa Concept Mapping
- Practical Dinacaryā Journal
- Disease Case Interpretation (Roga-Nidāna)
- Herb Identification & Dravyaguṇa Table
- Comparison Activity: Charaka & Modern Science

Essential/Recommended Readings/Texts

1. विद्याधर शुक्ल और रविदत्त त्रिपाठी, 2015. चरक संहिता. Unknown. भाग- 1&2
2. ब्रह्मानन्द त्रिपाठी, 2024. चरक संहिता. चौखम्बा सुरभारती प्रकाशन. भाग- 1&2
3. Bargale, Sushant Sukumar, editor. Charaka Samhita Vol.-III (Sanskrit Text with English Translation): Chikitsa Sthana. Chaukhambha Publications, 2018.
4. Sharma, Priya Vart. Charak Samhita Text with English Translation (In 4 Vols.). Chaukhamba, 2017.
5. Datt, Shri Chakra Pani. *Charaka Samhita (Set of 4 Volumes)*. Chaukhamba, 2016.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-9: Sūryasiddhānta: Madhyamādhikāra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Sūryasiddhānta: Madhyamādhikāra	04	3	1	0	Nil	Nil

Learning Objectives

The objective of this paper is to teach the students ancient astronomy, calculation of time and Vedic calendar system.

Learning outcomes

After studying this course, students:

- Will be able to know the ancient Indian astronomical calculation.
- Will be able to know development of calendar system.
- Will be able to know the ancient Indian time units.
- Will be able to get the knowledge of Srishti-Prakriya.

Detailed Syllabus

Unit: I

मय के प्रति सूर्योपदेश, कालभेद, नाड़ी, विनाड़ी, नाक्षत्रअहोरात्र, चान्द्रमास, सौरमास, सुरासुर अहोरात्र, महायुग, ससन्धि मन्वन्तर ।

Hour 11

Unit: II

कल्प, ब्रह्मा का अहोरात्र, सृष्टिकालप्रमाणाग्रहों का गतिकारण, भगणकाल, भगण परिभाषा, ग्रहों के शीघ्रोच्च मन्दोच्च आदि संख्या, सावनदिन, अधिमास ।

Hour 11

Unit: III

गतवर्षानयन, अहर्गणसाधन, मासेश, वर्षेश, मध्यमग्रहसाधन, बृहस्पति वर्षानयन, ग्रहानयन ।

Hour 11

Unit: IV

भूपरिधिमान, स्पष्टभूपरिधिमान, देशान्तर, रेखान्तर, वारप्रवृत्ति, इष्टकालिकग्रहसाधन, पातविक्षेप।

Hour 12

Tutorial Activities:

- Astronomical Debate
- Astronomical Concepts
- Planetary Models

- Mathematical Concepts
- Analyze a passage from the Sūryasiddhānta in Sanskrit

Essential/Recommended Readings/Texts

1. सूर्यसिद्धान्त - (व्या.) कृष्णचन्द्र द्विवेदी, संपूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी
2. सूर्यसिद्धान्त - (व्या.) गणपतिलाल शर्मा, हंस प्रकाशन, जयपुर, राजस्थान
3. सूर्यसिद्धान्तविज्ञानभाष्य (व्या.) महावीर श्रीवास्तव, लखनऊ
4. सूर्यसिद्धान्त - (व्या.) रामचन्द्र पाण्डेय, चौखम्बा सुरभारती प्रकाशन, वाराणसी
5. सूर्यसिद्धान्त(मध्यमाधिकारमात्र) - (व्या.) डॉ.राजीव रंजन, विद्यानिधि प्रकाशन, दिल्ली
6. Surya-Siddhanta- Sudhikant Bhardwaj, Delhi.
7. Surya Siddhanta-(Editor) Phanindralal Gangooly, University of Calcutta, 1935

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-9: Brahmasphuttasiddhanta

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Brahmasphuttasiddhanta	04	3	1	0	Nil	Nil

Learning Objectives

The course aims to introduce contemporary theories and facts about Vedic mathematics and the Bhartiya mathematical tradition, addressing both traditional and modern questions. It seeks to demonstrate how Vedic mathematics and the entire Bhartiya mathematical tradition is a living practice.

Learning outcomes

- Will have a comprehensive understanding of the innovative concepts bridging the gap between Bhartiya Mathematics and Modern Mathematics.
- Will acquire knowledge of the different dimensions of Mathematics i.e. effects, cause, definitions, forms and facts present in Bhartiya Mathematics and Vedic Mathematics. They will explore the historical context, key principles, and methodologies that characterize this unique approach.
- Will become acquainted of new concepts and facts found in Mathematics.
- Will be able to compare modern and ancient thoughts of Mathematics.
- Will achieve the ability to critically analyze and explain the prescribed texts.

Detailed Syllabus

Unit: I Misraka-vyavhar, Shredhi-vyavhar.	Hour 12
Unit: II Kshetra-vyavhar, Khata-vyavhar.	Hour 11
Unit: III Chitivyavhara, Krakacavyvahara	Hour 11
Unit: IV Rashivyavhara	Hour 11

Tutorial Activities:

- Seminar Debate
- Textual Analysis Seminar
- Student-Led Presentation & Peer Review
- Oral Examination Simulation
- Conceptual Mapping

Essential/Recommended Readings/Texts

1. D. Heroor, Venugopal, 2014, Brahmaguptaganitam, Chinmaya International Foundation Shodha Sansthan, Ernakulam, Kerala, India.

Secondary Sources:

2. मिश्र, कमलाकान्त (सम्पा.), 2003, संस्कृत वाङ्मय में विज्ञान का इतिहास, राष्ट्रीय शैक्षिक अनुसन्धान और प्रशिक्षण परिषद्, नई दिल्ली ।
3. Datta, Bibhutibhushana & Singh Avadesh Narayan, 2004, History of Hindu Mathematics (Vol. 1&2) Bharatiya Kala Prakashan, Delhi.
4. तिवारी, दया शंकर, 2020, संस्कृत वाङ्मय में गणितीय परम्परा, चौखम्भा ऑरियण्टलिया, दिल्ली ।

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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Detailed Syllabus

Structure 3 (Level 6.5): PG Curricular Structure with Research Only
Total: 44 Credits

Semester IIICredit 22

1. Discipline Specific Course (DSC): Total 01

DSC-7: Major Areas of Sanskrit Research

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Major Areas of Sanskrit Research	04	03	01	0	Nil	Nil

Learning Objectives

This paper introduces students to the major domains, methodologies, and emerging trends in Sanskrit research. It aims to train scholars to engage critically with traditional sources and modern academic approaches, integrating classical Indian hermeneutics, textual criticism, digital humanities, and interdisciplinary perspectives.

Learning Outcomes

By the end of the course, students will be able to:

- Identify key areas of Sanskrit research and their interconnections with other disciplines.
- Critically evaluate research methodologies in traditional and modern contexts.
- Utilize manuscripts, commentaries, and digital tools for academic research.
- Develop independent research proposals rooted in Sanskritic tradition and modern scholarship.

Detailed Syllabus

Unit: I

Hours: 11

Introduction to Research Approaches in Sanskrit Studies

Sanskṛta Anusandhāna: Meaning, Nature, and Scope of Sanskrit Research.
Traditional & Modern Approaches: Pāṇinian, Mīmāṃsā, and Western Philological Methods.
Major Research Institutions and Scholars of Sanskrit Studies (Bhandarkar Institute, Oriental Research Institutes, IGNCA, Rashtriya Sanskrit Sansthan).
Use of Digital Tools and Databases in Sanskrit Research (SARIT, GRETIL, Muktabodha, AI-assisted tools).

Unit: II

Hours: 12

Major Areas of Traditional Sanskrit Research

Vedic Studies: Vedas, vedangas
Vyākaraṇa (Grammar)
Epics and puranas
Darśanas (Philosophical Systems)
Literature: Kāvya, mahakavyas, drama and Alaṅkāraśāstra
Dharmaśāstra and Smṛti Literature.
Inscriptions: Epigraphy & Paleography

Unit: III

Hours: 11

Major Areas of Contemporary Sanskrit Research

Sanskrit in the context of Linguistics and Cognitive Science.
Research in Vāstuśāstra, Āyurveda, Jyotiṣa, and Ganita (Mathematics).
Manuscriptology
Sanskrit and Indian Polity: Arthaśāstra and Nīti Literature.
Sanskrit and Environmental Studies – Ecological thoughts in Vedic texts.
Digital Sanskrit Studies – Computational Linguistics, NLP, and Corpus Development.
Sanskrit and Gender studies
Sanskrit and Labour ecosystem
Sanskrit and Jurisprudence

Unit: IV

Hours: 11

Emerging Trends and Research Methodology

Sanskrit Research in Global Academia – Translations, Pedagogy, and Cultural Studies.
Documentation and Preservation of Manuscripts – Techniques and Challenges.
Publication Ethics, Citation Styles, and Thesis Writing Methods.
Future Directions: AI, Machine Translation, and Digital Archives for Sanskrit.

Tutorial Activities

- Inscription Reading Session
- Manuscript Reading Workshop
- Bibliography Database Creation
- Concept Mapping
- Paper Presentation
- Concept Note/ Extended Abstract writing

- Group Discussion

Essential/Recommended Readings/Texts

Essential Readings:

1. C.R. Kothari, Research Methodology
2. Patwardhan, M.R. *Research Methodology in Social Sciences*.
3. Sukthankar, Vishnu S. *Critical Edition Techniques in Sanskrit Texts*.
4. Mukherjee, Sujit. *The Historical Method in Sanskrit Studies*.
5. V. Raghavan – *The Development of Sanskrit Studies*
6. S. R. Bhatt – *Philosophy of Sanskrit Grammar*
7. P. V. Kane – *History of Dharmaśāstra*
8. K. Krishnamoorthy – *Essays in Sanskrit Criticism*
9. V. S. Apte – *Practical Sanskrit-English Dictionary* (Lexicographic Research)
10. Sheldon Pollock – *The Language of the Gods in the World of Men*
11. R. N. Dandekar – *Vedic Studies and Research Methodology*
12. B. G. Tilak – *The Orion* (Vedic Chronology)
13. Saroja Bhate – *Sanskrit Linguistics and Research Trends*
14. Digitized Databases: GRETIL, SARIT, Muktabodha, Sanskrit Heritage Reader.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-5: Research Trends and Innovations in Vedic Studies

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends and Innovations in Vedic Studies	04	3	1	0	Nil	Nil

Learning Objectives

- To familiarize students with the nature and scope of research in Vedic studies.
- To introduce modern and traditional research methods in Vedic studies.
- To analyse major sources, commentarial traditions, and interpretative approaches.
- To acquaint students with recent trends and interdisciplinary approaches in Vedic studies.

Learning Outcomes

Upon successful completion of this course, the students will be able to:

- Explain the nature, scope, and significance of research in Vedic studies
- Identify major sources, texts, commentarial traditions in Vedic literature.
- Formulate research questions, hypotheses, objectives relevant to Vedic thought.
- Demonstrate the ability to design a research proposal, knowledge of methodology and literature review related to Vedic studies.
- Evaluate the relevance and interdisciplinary connections of Vedic knowledge (such as ethics, Vedic sciences, environmental ethos, philosophical insights, sustainable development etc).
- Prepare quality research papers, book reviews, thesis/dissertation based on primary sources related to Vedic studies

Detailed Syllabus

Unit: I

Nature and Scope of Research in Vedic studies-

Hour 11

- Nature, Scope and Objectives of Research in Vedic studies
- Importance and challenges of researches in Vedic studies.
- Commentary tradition of Vedic Literature

Unit: II

Hour 11

Research Methodology in Vedic studies-

- Different types of research methodology in Vedic studies.
- Writing research proposals, hypotheses, objectives, and review of literature.
- Use of Vedabhashya in research.
- Use of Hermeneutic and exegetical methods in Vedic studies.
- Role and importance of traditional method and Vedic accent in Vedic researches.

Unit: III

Hour 12

Research Tools in Vedic studies researches.

Nature, scope and use of tools in Vedic researches.

- Use of online resources and technology in Vedic researches (digital libraries, databases, Vedic Heritage portal etc).
- Use of primary and secondary sources.
- Use of research Tools: Critical Edition, Manuscripts, Commentaries, concordances etc.
- Bibliographical tools: Catalogues, Bibliographies, Research journals.

Unit: IV

Hour 11

Research Design, Documentation, and Publication in the Research on Vedic studies

Citation, transliteration (IAST), and referencing styles.

- Research ethics and academic integrity in Vedic researches.
- Critical review and publications related to Vedic research papers.
- Role of Seminars/conferences, journals, and digital repositories.
- Publications of Patrika/Journals, seminar proceeding, Chapter books, books etc.
- Editing of Manuscripts related to Vedic studies.

Research synopsis, matter collections, Documentation, Thesis /Project/ Monograph writing and Publication.

Reference management and software tools.

Research design, structure and management difference style of references in Vedic studies etc.

Tutorial Activities

- Doubt solving classes.
- Development of writing research paper skills in Sanskrit on Vedic studies.
- Learning to collect materials related to research studies
- Research Paper Presentation
- Analytical Discussion

Essential/Recommended Readings/Texts

Essential Readings:

1. Kothari, C.R. *Research Methodology: Methods and Techniques*.
2. Mohanty, J.N. *Reason and Tradition in Indian Thought*.
3. APA or MLA Manual (for citation and ethics guidelines)
4. Ramachandra Rao, S.K. *Research Methodology in Indian Philosophy*

5. UGC Regulations on “Promotion of Academic Integrity and Prevention of Plagiarism (2018)”
6. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, २०१०
7. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, २००८
8. शोधप्रविधि, रहस बिहारी द्विवेदी,

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-5: Research in Indian Philosophy

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Indian Philosophy	04	3	1	0	Nil	Nil

Learning Objectives

- To familiarize students with the nature and scope of research in Indian Philosophy.
- To introduce classical and modern methods of philosophical research.
- To analyze major sources, commentarial traditions, and interpretative approaches.
- To acquaint students with recent trends and interdisciplinary approaches in Indian philosophical research.

Learning Outcomes

Upon successful completion of this course the students will be able to:

- Explain the nature, scope, and significance of research in Indian Philosophy.
- Identify major sources, texts, and commentarial traditions within Indian philosophical schools.
- Formulate research questions, hypotheses, and objectives relevant to Indian philosophical thought.
- Demonstrate the ability to design a philosophical research proposal with a clear methodology and literature review.
- Evaluate the modern relevance and interdisciplinary connections of Indian Philosophy (e.g., in ethics, cognitive science, or environmental philosophy).
- Develop proficiency in academic writing, citation, and transliteration (IAST or Devanāgarī).
- Prepare well-structured research papers, book reviews, and dissertation chapters based on primary and secondary sources.
- Use digital tools, manuscript archives, and databases effectively for philosophical research.
- Demonstrate academic integrity, avoiding plagiarism and unethical research practices.
- Cultivate a research attitude grounded in intellectual honesty, rigor, and openness to diverse philosophical traditions.

Detailed Syllabus

Unit: I

Hour 11

Nature and Scope of Research in Indian Philosophy

- Meaning, nature, and objectives of research.
- The nature of philosophical inquiry in Indian tradition (Darśana as vision).
- The structure of philosophical systems: Ontology, Epistemology, and Axiology.
- Sources of Indian Philosophy: Vedas, Upaniṣads, Smṛtis, Darśanas and regional texts.
- Importance and challenges of research in Indian philosophical texts.

Unit: II

Hour 11

Research Methodology in Indian Philosophy

- Meaning and stages of research methodology.
- Classical Indian methods of reasoning: Śruti, Yukti, Anubhava, Pratyakṣa, Anumāna, Upamāna, and Śabda.
- Hermeneutic and exegetical methods (Mīmāṃsā and Nyāya perspectives).
- Comparative and analytical methods.
- Writing research proposals, hypotheses, objectives, and review of literature.
- Use of traditional commentaries (Bhāṣya, Vṛtti, Tīkā, etc.) in research.

Unit: III

Hour 12

Research Tools in Indian Philosophy

- Tools for textual study: lexicons (Amarakosha), concordances, indices, and commentaries.
- Manuscriptology: reading, transcription, and collation methods.
- Use of critical editions and philological analysis.
- Bibliographical tools: catalogues, bibliographies, and databases.
- Digital and online resources: GRETIL, SARIT, Muktabodha, Digital Corpus of Sanskrit (DCS).
- Reference management and software tools.

Unit: IV

Hour 11

Research Design, Documentation, and Publication

- Research design and structure of a philosophical thesis Writing a research proposal: aims, hypotheses, objectives, and significance.
- Use of primary and secondary sources: Manuscripts, commentaries, and digital databases.
- Citation, transliteration (IAST), and referencing styles.
- Research ethics and academic integrity in philosophical writing.
- Critical review and publication of philosophical papers.
- Use of technology and digital tools in Indological research (digital libraries, databases, Sanskrit corpora).
- Role of conferences, journals, and digital repositories.

Tutorial Activities

- Sources and Textual Tradition
- Concept Mapping
- Analytical Discussion

- Comparative Study
- Review & Debate Session
- writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension
- A training to developing an Interdisciplinary approach

Essential/Recommended Readings/Texts

Essential Readings:

1. Kothari, C.R. *Research Methodology: Methods and Techniques*.
2. Mohanty, J.N. *Reason and Tradition in Indian Thought*.
3. Sastri, Kuppaswami. *Studies in Indian Logic and Philosophy*.
4. Daya Krishna. *Indian Philosophy: A Counter Perspective*.
5. Potter, Karl H. *Encyclopedia of Indian Philosophies*.
6. Patrick Olivelle. *The Study of Indian Philosophy: Sources and Methods*.
7. APA or MLA Manual (for citation and ethics guidelines)
8. Ramachandra Rao, S.K. *Research Methodology in Indian Philosophy*
9. UGC Regulations on “Promotion of Academic Integrity and Prevention of Plagiarism (2018)”
10. Jha, V. N. *Philosophical Research: Indian Perspectives*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Research Innovations in Sanskrit Poetics

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Innovations in Sanskrit Poetics	04	3	1	0	Nil	Nil

Learning Objectives

- To understand the evolution and major trends in Sanskrit Poetics (*Alaṅkāraśāstra*) research from ancient to modern times.
- To familiarize learners with innovative methodologies and interdisciplinary approaches applied in recent Sanskrit Poetics research.
- To develop analytical skills for critical evaluation of traditional and modern theories of *Rasa*, *Alaṅkāra*, *Rīti*, *Dhvani*, *Vakrokti* and *Aucitya*.
- To encourage comparative and cross-cultural studies linking Sanskrit Poetics with Western literary criticism and modern aesthetics.
- To enable students to design and conduct innovative research projects in the field of Sanskrit literary theory.

Learning Outcomes

After completing the course, students will be able to:

- Demonstrate comprehensive knowledge of classical and modern trends in Sanskrit Poetics.
- Critically analyze traditional texts with reference to new theoretical frameworks.
- Employ innovative and interdisciplinary methods in Sanskrit Poetics research.
- Identify research gaps and propose original topics or hypotheses for future studies.
- Prepare academically sound research papers and dissertations following current scholarly standards.

Detailed Syllabus

Unit: I

Hour 11

Foundations and Historical Trends in Sanskrit Poetics

- Origin and development of *Alaṅkāraśāstra*
- Nomenclature of poetics
- Aims of poetry
- Cause of poetry
- Definition of Poetry
- Kinds of Poetry according from Bhamaha to Panditaraja Jagannatha.

Unit: II

Hour 11

Survey of researches done on *Rasa*, *Alaṅkāra* and *Rīti* schools

Survey may Editing work, Commentaries, Translations, Independent research work, Theses, Dissertations, Research Papers and Manuscripts.

Unit: III

Hour 12

Survey of researches done on *Dhvani*, *Vakrokti* and *Aucitya* Schools.

Survey may Editing works, Commentaries, Translations, Independent research work, Theses and Dissertations, Research Papers and Manuscripts.

Unit: IV

Hour 11

Modern Research Trends in Sanskrit Poetics and Interdisciplinary Approaches

Modern reinterpretations in Sanskrit Poetics according to Brahmadaṇḍa Sharma, Revaprasad Dwivedi, Abhiraj Rajendra Mishra, Radhavallabh Tripathi, Rahasvihari Dwivedi and Harshdev Madhav.

Comparative research-based study between Sanskrit and Western Poetics specially Plato, Aristotle, Longinus, Horace, William Wordsworth, T.S. Eliot, Benedetto Croce.

Tutorial

- Survey
- Research Paper writing
- Group Discussion
- Paper presentation

Essential/Recommended Readings/Texts

Essential Readings:

1. कृष्णकुमार - अलंकारशास्त्र का इतिहास, साहित्य भण्डार, मेरठ
2. De, S.K. - History of Sanskrit Poetics, K.L. Mukhopadhyay, Calcutta
3. Kane, P.V. - History of Sanskrit Poetics, MLBD, Delhi
4. श्रीवास्तव आनन्द कुमार – आधुनिक संस्कृत काव्यशास्त्र, ईस्टर्न बुक लिंकर्स, दिल्ली
5. यादव राजमङ्गल, संस्कृत काव्यशास्त्र की अर्वाचीन परम्परा, प्रतिभा प्रकाशन, दिल्ली, 2011

6. अभिराजयशोभूषणम् – अभिराज राजेन्द्र मिश्र, वैजयन्त प्रकाशन, इलाहाबाद
7. काव्यालङ्कारकारिका, रेवाप्रसाद द्विवेदी (हिन्दी-अंग्रेजी अनुवाद), कालिदास संस्थानम्, नूतन संस्करण, वाराणसी, 2001
8. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
9. अभिनवकाव्यालङ्कारसूत्रम् (राधावल्लभ त्रिपाठी) – रमाकान्त पाण्डेय, जगदीश संस्कृत पुस्तकालय, जयपुर, 2009.
10. द्विवेदी, रहस्यविहारी – नव्यकाव्यतत्त्वमीमांसा – अक्षयवट प्रकाशन, २६ बलरामपुर हाउस, प्रयागराज, उत्तर प्रदेश – प्रथम संस्करण – २०२४

Recommended Readings/Texts

1. K. Krishnamoorthy – *Essays in Sanskrit Criticism*
2. P. V. Kane – *History of Sanskrit Poetics*
3. S. K. De – *History of Sanskrit Poetics* (Vol. I & II)
4. Raghavan, V. – *Bhoja's Śṛṅgāraprakāśa: A Study*
5. Ingalls, D. H. H. et al. – *The Dhvanyāloka of Ānandavardhana* (Harvard Oriental Series)
6. Pollock, Sheldon – *A Rasa Reader: Classical Indian Aesthetics*
7. Kapila Vatsyayan – *Classical Indian Dance in Literature and the Arts*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Research in Sanskrit Poetry

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Sanskrit Poetry	04	3	1	0	Nil	Nil

Learning Objectives

- To familiarize students with the evolution of Sanskrit Poetry and their major research trends.
- To introduce modern methodologies and interdisciplinary approaches in research related to Sanskrit Poetry.
- To encourage critical engagement with classical Sanskrit poetic theories (Alaṅkāra, Rīti, Dhvani, Vakrokti, Aūchitya, etc.) in light of new perspectives.
- To examine innovative research paradigms, comparative studies, and digital approaches in Sanskrit Poetics.
- To promote the development of independent and creative research ideas in the field.

Learning Outcomes

After completing this course, students will be able to:

- Critically analyze past and present trends in research to relate Sanskrit Poetry.
- Identify and evaluate innovations and interdisciplinary methods applied to Sanskrit Poetry.
- Develop well-structured research proposals using modern tools and perspectives.
- Conduct comparative studies between Sanskrit Poetics and other literary traditions.
- Apply digital humanities and linguistic tools in Sanskrit literary research.

Detailed Syllabus

Unit: I

Hour 11

Foundations of Sanskrit Poetry

- Survey of research done on the works of Ashvaghosa, Kalidasa, Bharavi, Magha, Shriharsa, Subandhu, Dandi and Banabhatta.

- Nature and scope of research in the works of Ashvaghosa, Kalidasa, Bharavi, Magha, Shriharsa, Subandhu, Dandi and Banabhatta.

Unit: II**Hour 11****Literary criticism of Sanskrit Poetry**

- To examine the characteristics of Mahakavya, Khandakavya, Gadyakavya, Champukavya etc. in Sanskrit poetry.
- Identification of Rasa, Alankara, Riti, Dhvani, Vakrokti and Auchitya in Sanskrit Poetry.

Unit: III**Hour 11****Traditional trends for criticism Sanskrit Poetry**

- Critical, cultural, historical, literary, grammatical, Philosophical, Dharmashastric and linguistic.

Unit: IV**Hour 12****Innovation and Interdisciplinary Approaches**

- Post-independence research trends in Sanskrit Poetry.
Nationalism, freedom, women empowerment, social justice, science and technology, environment, human values
- Influence of modern and western literary theories and aesthetics on Sanskrit Poetry.

Tutorial

- Survey
- Research Paper writing
- Group Discussion
- Paper presentation

Essential/Recommended Readings/Texts**Essential Readings:**

1. **Bharata** – *Nāṭyaśāstra* (Rasa theory)
2. **Ānandavardhana** – *Dhvanyāloka* with *Locana* commentary by Abhinavagupta
3. **Mammaṭa** – *Kāvyaprakāśa*
4. **Kuntaka** – *Vakroktijīvitā*
5. **Viśvanātha Kavirāja** – *Sāhityadarpaṇa*
6. **Jagannātha Paṇḍita** – *Rasagaṅgādhara*
7. राजेन्द्र कुमार, आधुनिक संस्कृत काव्यशास्त्रीय ग्रन्थों में मौलिकता, भारतीय विद्या प्रकाशन, दिल्ली, 2007
8. द्विवेदी, रहस्यविहारी – नव्यकाव्यतत्त्वमीमांसा – अक्षयवट प्रकाशन, २६ बलरामपुर हाउस, प्रयागराज, उत्तर प्रदेश – प्रथम संस्करण – २०२४

Recommended Readings/Texts

1. K. Krishnamoorthy – *Essays in Sanskrit Criticism*
2. P. V. Kane – *History of Sanskrit Poetics*
3. S. K. De – *History of Sanskrit Poetics* (Vol. I & II)
4. Edwin Gerow – *Aesthetic Experience in Sanskrit Literary Theory*
5. Kapil Kapoor – *Language, Linguistics and Literature: The Indian Perspective*
6. V. K. Chari – *Sanskrit Criticism*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Research Trends and Innovations in Nāṭyaśāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends and Innovations in Nāṭyaśāstra	04	3	1	0	Nil	Nil

Learning Objectives

1. To introduce students to major research traditions and emerging trends in the study of Nāṭyaśāstra and Indian dramaturgy.
2. To Develop a critical understanding of classical dramaturgical theories in the light of modern scholarship.
3. To Familiarize learners with interdisciplinary, textual, and applied research approaches in Indian dramaturgy.
4. To Encourage analytical and methodological engagement with performance-based, comparative, and contemporary interpretations of Nāṭyaśāstra.

Learning Outcomes

After completing this course, students will be able to:

1. Students will be able to Identify major research trends interpretation in Nāṭyaśāstra studies.
2. Students will critically evaluate traditional commentaries, critical editions, and modern research writings.
3. Students will apply interdisciplinary and methodological tools to the study of Sanskrit dramaturgy.
4. Students will gain the ability to Analyze contemporary theatrical and performance practices through Nāṭyaśāstric frameworks.
5. Students will demonstrate basic research aptitude, academic writing skills, and ethical awareness in dramaturgical studies.
6. Students will apply various Nāṭyaśāstric theories to analyze Rupaks and Uprupaks

Detailed Syllabus

Unit: I

Hour 11

Nature and Scope of Research in Nāṭyaśāstra

Meaning and Concept of Research

- Research as systematic and critical inquiry

- Research traditions in Śāstric studies: Indian and modern perspectives

Scope of Research in Nāṭyaśāstra

- Nāṭyaśāstra as a multidisciplinary text: aesthetics, performance, music, sociology, and culture etc.
- Major areas of research: Rasa–Bhāva theory, Abhinaya ,Dramaturgy. and plot-structure, Stagecraft and theatrical conventions etc.

Types of Research in Nāṭyaśāstra

- Text-based research (Śāstra and Rūpaka texts)
- Performance-oriented and practice-based research
- Historical, analytical, and interpretative research

Unit: II

Hour 11

Identification of Research Problems and Sources and Tools of Research

Identification of Research Problems

- Selection of research topics from Nāṭyaśāstric texts and Sanskrit dramatic literature,
- Review of previous research works on Nāṭyaśāstric texts and Sanskrit Rupakas and uparupakas.

Sources of Research

Primary Sources

- Nāṭyaśāstra and allied dramaturgical texts
- (Abhinavabhāratī, Daśarūpaka, Nāṭyadarpaṇa, Bhāvaprakāśana Sāhityadarpaṇa etc.)
- Sanskrit dramatic texts (Nāṭaka, Prakaraṇa, and other Rūpakas)
- Manuscripts and critical editions

Secondary Sources

- Commentaries and sub-commentaries
- Modern research works, journals, encyclopedias, and dissertations

Research Tools

- Dictionaries, concordances, indices, and glossaries
- Digital databases, online repositories, and manuscript archives

Unit: III

Hour 11

Manuscriptology and Textual Criticism in Nāṭyaśāstra

Manuscript Tradition of Nāṭyaśāstra

- Transmission of texts and textual variations
- Problems of interpolation, omission, and recension

Manuscript Tradition of Nāṭyaśāstra

- Collection and classification of manuscripts
- Textual criticism and evaluation of variant readings
- Establishment of an authentic and reliable text

Critical Edition of the Nāṭyaśāstra by Ramakrishna Kavi

- Manuscript base and editorial principles
- Integration of traditional scholarship and modern textual criticism
- Contribution of Ramakrishna Kavi's edition to Nāṭyaśāstra research and interpretation

Unit: IV**Hour 12****Methodology, Research Writing, and Contemporary Directions****Methodological Approaches in Dramatic and Performance Studies**

- Textual and philological methods: close reading of sūtras and kārikās
- Comparative method:
 - Nāṭyaśāstra and later dramaturgical texts
 - Sanskrit drama and modern Indian theatre
- Performance-oriented research:
 - Performance as text
 - Fieldwork, observation, and documentation
- Interdisciplinary approaches: aesthetics, anthropology, sociology, semiotics

Research Writing and Documentation

- Research design: formulation of research questions and hypotheses
- Structure of research work: chapters and methodology
- Academic writing, citation styles, referencing
- Use of transliteration and diacritical marks

Research Ethics and Contemporary Trends

- Plagiarism and academic integrity
- Ethical issues in performance and field-based research
- Contemporary research trends

Tutorial

- Doubt solving classes.
- Development of writing research paper skills in Sanskrit on Nāṭyaśāstra and dramatic literature.
- Learning to collect materials related to research studies
- Research Paper Presentation
- Analytical Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. Kothari, C.R. Research Methodology: Methods and Techniques.
2. Mohanty, J.N. Reason and Tradition in Indian Thought.
3. APA or MLA Manual (for citation and ethics guidelines)
4. Ramachandra Rao, S.K. Research Methodology in Indian Philosophy

5. UGC Regulations on "Promotion of Academic Integrity and Prevention of Plagiarism (2018)"
6. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, २०१०
7. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, २००८
8. शोधाध्ययनप्रबोधप्रविधि, रहस बिहारी द्विवेदी,
9. Bharata – Nāṭyaśāstra with Abhinavabhāratī of Abhinavagupta (Critical portions relevant to Rasa, Abhinaya and Dramaturgy)
10. Ramakrishna Kavi (Ed.) – Nāṭyaśāstra (Critical Edition; manuscript-based scholarly edition)
11. Ghosh, Manomohan (Translator). The Nāṭyaśāstra: A Treatise on Hindu Dramaturgy and Histrionics.
12. Dhanañjaya – Daśarūpaka with Avaloka of Dhanika
13. Rāmacandra–Guṇacandra – Nāṭyadarpaṇa
14. Kapila Vatsyayan. Classical Indian Dance in Literature and the Arts. Sangeet Natak Akademi, 1968.
15. Kapila Vatsyayan. Bharata: The Nāṭyaśāstra. Sahitya Akademi, 1996.2023
16. Raghavan, Venkatarama .The Nāṭyaśāstra and the Indian Dramatic Tradition. The Adyar Library and Research Centre, 1978.
17. Keith, A.B. The Sanskrit Drama, Oxford University Press, 1964.
18. Theatric Aspects of Sanskrit Drama - G. K. Bhatt, Bhandarkar Research institute Pune, 1983
19. भरत मुनि, नाट्यशास्त्र अभिनवभारती सहित. सम्पादक, पारसनाथ द्विवेदी, सम्पूर्णानन्द संस्कृत विश्वविद्यालय, वाराणसी, 2001
20. अग्रवाल, प्रभु दयाल .भरत का नाट्यशास्त्र और उसकी परंपरा. राजकमल प्रकाशन, नई दिल्ली।
21. कीथ, ए.बी. संस्कृतनाटक (अनु. उदयभानु सिंह), मोतीलाल बनारसीदास, दिल्ली, 1965.
22. राधावल्लभ त्रिपाठी.संस्कृत नाटक और रंगमंच. राष्ट्रीय संस्कृत संस्थान, नई दिल्ली।
23. राधावल्लभ त्रिपाठी.अभिनय और नाट्यशास्त्र. साहित्य अकादमी, नई दिल्ली।

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-5: Research Trends in Itihāsa-Purāṇic literature

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends in Itihāsa-Purāṇic literature	04	3	1	0	Nil	Nil

Learning Objectives

- To introduce students to the contemporary research trends in the study of Rāmāyaṇa, Mahābhārata and Purāṇic literature.
- To analyze the methodological innovations and interdisciplinary approaches used in current scholarship.
- To explore comparative, critical and cultural dimensions of Itihāsa–Purāṇa studies.
- To encourage independent research based on new theoretical perspectives, manuscripts, and digital tools.
- To understand the evolution of interpretative traditions, regional adaptations, and modern retellings.

Learning Outcomes

By the end of the course, students will be able to:

- Identify key areas of modern research on Rāmāyaṇa, Mahābhārata and Purāṇas.
- Evaluate traditional and modern methodologies in Itihāsa–Purāṇa studies.
- Apply innovative research tools such as textual criticism, comparative mythology, and digital humanities.
- Conduct original research integrating classical and modern interpretive frameworks.
- Appreciate the continuing cultural and philosophical relevance of these texts in modern scholarship.

Detailed Syllabus

Unit: I

Hour 11

Historical and Research Background

- Overview of Itihāsa–Purāṇa literature: origin, development, and classification.
- Traditional commentaries and interpretations.

- Historical development of research on Itihāsa–Purāṇa literature.
- Itihāsa–Purāṇa literature as a resource of Historical, Cultural, Philosophical, Epigraphical and Archaeological researches

Unit: II**Hour 11****Survey and scope in research on Rāmāyaṇa**

- Survey of researches on Rāmāyaṇa.
- Comparative studies of Vālmīki, Anand, Adhyatm and Adbhut Rāmāyaṇa.
- Interdisciplinary research scope of Rāmāyaṇa like Epigraphical, Archaeological and Historical correlations.
- Objections and solutions regarding interpolations in Rāmāyaṇa.

Unit: III**Hour 11****Survey and scope in research on Mahābhārata**

- Survey of research on Mahābhārata.
- Evolution of Mahābhārata research: critical editions and recension studies.
- Ethical, political, and philosophical dimensions of Mahābhārata in modern interpretation.
- Relevance of Mahābhārata in the present era.

Unit: IV**Hour 12****Survey and scope in research on Purāṇic Literature**

- Survey of researches on Purāṇic literature.
- Historical development of Purāṇic studies: classification and textual diversity.
- Genealogical, cosmological, and mythological research trends.
- Sociological and anthropological approaches to Purāṇic narratives.
- Innovative research on sectarian (Vaiṣṇava, Śaiva, Śākta) Purāṇas.
- Contemporary reinterpretations and global reception of Purāṇic literature.

Tutorial

- Survey
- Research Paper writing
- Group Discussion
- Paper presentation

Essential/Recommended Readings/Texts**Essential Readings:**

1. **V. S. Sukthankar et al.** – *The Critical Edition of the Mahābhārata* (Bhandarkar Oriental Research Institute)
2. **G. H. Bhatt et al.** – *The Critical Edition of the Vālmīki Rāmāyaṇa* (Baroda)
3. **Ludo Rocher** – *The Purāṇas* (A History of Indian Literature Series)

4. **V. Raghavan** – *The Great Epics of India: Character and Culture*
5. **R. N. Dandekar (ed.)** – *The Mahābhārata Reinterpreted: Essays on Its Growth and Meaning*

Recommended Readings/Texts

1. **A. A. Macdonell** – *A History of Sanskrit Literature*
2. **M. Winternitz** – *A History of Indian Literature*, Vol. I & II
3. **P. V. Kane** – *History of Dharmaśāstra* (for Purāṇic references)
4. **Sheldon Pollock (ed.)** – *Rāmāyaṇa and Political Imagination in India*
5. **Wendy Doniger** – *The Purāṇas and Hindu Mythology*
6. **A. K. Ramanujan** – *Three Hundred Rāmāyaṇas: Five Examples and Three Thoughts on Translation*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Research in Sanskrit Grammar

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Sanskrit Grammar	04	3	1	0	Nil	Nil

Learning Objectives

- To understand the historical development and major schools of Sanskrit Grammar, especially Pāṇinian and post-Pāṇinian traditions.
- To explore contemporary research trends and methodologies applied to the study of Vyākaraṇa.
- To examine the intersections of Sanskrit Grammar with linguistics, computational studies, and philosophy of language.
- To encourage innovative thinking and application of modern tools and technologies in Sanskrit grammatical research.
- To cultivate critical and analytical skills for evaluating classical grammatical texts in the light of new research paradigms.

Learning Outcomes

After completing this course, learners will be able to:

- Demonstrate a comprehensive understanding of traditional and modern perspectives on Sanskrit Grammar.
- Analyze current research trends, innovations, and interdisciplinary approaches in Vyākaraṇa studies.
- Apply linguistic and digital methodologies for research in Sanskrit Grammar.
- Develop innovative research proposals integrating classical and modern frameworks.
- Critically assess scholarly works and contribute to contemporary discussions in the field of Sanskrit linguistics and grammar.

Detailed Syllabus

Unit: I

Hour 11

Historical and Theoretical Foundations

- Development of Sanskrit Grammar: Pre-Pāṇinian, Pāṇinian, and post-Pāṇinian stages.
- Overview of grammatical schools: Pāṇini, Kātyāyana, Patañjali, Bhartṛhari, and later commentators.

- Review of major research publications, dissertations, and projects on Sanskrit Grammar.
- Identification of research gaps and emerging areas.

Unit: II**Hour 11****Trends in Modern Research on Sanskrit Grammar**

- Post-independence developments in Vyākaraṇa studies.
- Major research contributions from Indian and international scholars.
- Analytical studies of grammatical commentaries and sub-commentaries.
- Trends in linguistic analysis: phonology, morphology, syntax, and semantics in Sanskrit.
- Application of structuralist and post-structuralist theories to Sanskrit Grammar.

Unit: III**Hour 11****Innovation and Interdisciplinary Approaches**

- Interface between Sanskrit Grammar and modern linguistics.
- Vyākaraṇa and philosophy of language—relation to cognition, logic, and communication.
- Cross-cultural linguistic studies and comparative grammar.

Unit: IV**Hour 12****Research Methodology and Future Directions**

- Techniques for critical analysis, translation, and interpretation of grammatical texts.
- Use of digital databases and tools for Sanskrit research (e.g., Sanskrit Heritage Platform, GRETIL, SARIT).
- Proposal writing and presentation of innovative research in Vyākaraṇa.

Tutorial

- Textual Analysis Workshop
- Sutra-parsing and metarules (paribhasha) Application
- Dhatu Research Assignment
- Karaka-vibhakti Field Analysis
- Seminar Presentation Themes

Essential/Recommended Readings/Texts**Essential Readings:**

1. **Pāṇini:** *Aṣṭādhyāyī* (with commentaries of Kātyāyana and Patañjali).
2. **Bharṭṛhari:** *Vākyapadīya* (with commentaries of Helārāja).
3. Deshpande, Madhav. *Sanskrit and Prakrit: Sociolinguistic Issues*.
4. Cardona, George. *Pāṇini: A Survey of Research*.
5. Joshi, S.D., and Roodbergen, J.A.F. *Patañjali's Vyākaraṇa Mahābhāṣya: An Analytical Study*.

6. Kiparsky, Paul. *Paninian Linguistics and Modern Linguistic Theory*.
7. Houben, Jan E.M. *Studies in the Sanskrit Tradition of Linguistics and Grammar*.
8. Sharma, Raghunath. *Vyākaraṇa-darśana: Ek Adhyayana*.
9. Goyal, Suresh & Sharma, Kapil (Eds.). *Recent Trends in Sanskrit Grammar and Linguistics*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Research in Sanskrit Computational Linguistics

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research in Sanskrit Computational Linguistics	04	3	0	1	Nil	Nil

Learning Objectives

The learning objectives of research in Sanskrit Computational Linguistics are primarily a blend of applying computational methods to Sanskrit texts and leveraging the insights from traditional Pāṇinian grammar for the advancement of general linguistic theory and AI/Natural Language Processing (NLP). The fundamental objective is to develop and apply computational techniques to process and analyze the vast Sanskrit literature.

Learning Outcomes

By the end of this course, the students will be able to:

- Do the Computational Analysis of Sanskrit Texts.
- Apply the advancing linguistic theory to the SCL research.
- Building Practical Applications and Tools for Sanskrit.
- Creating digital resources for Sanskrit.

Detailed Syllabus

Unit: I

Hours: 11

Sanskrit Language Analyzer and Generator

Morphological Analyzers and Generators

Sandhi, Samamsa etc.

Machine Translation (MT)

Unit: II

Hours: 12

Optical Character Recognition (OCR)

Text Digitization and Search for Sanskrit:

Tools and techniques for creating and managing large-scale Sanskrit digital texts

Information Retrieval and Concept Mining in Sanskrit Texts

- Introduction to Information Retrieval: scope, principles, and relevance for classical Sanskrit literature.
- Basics of Concept Mining: definition, methodologies and stages
- Overview of digital Sanskrit corpora, lexical resources, and text repositories
- Data arrangement and tagging
- Role of metadata, ontology, and semantic annotation in Sanskrit e-resource
- Challenges in Information Retrieval and Concept Mining

Unit: III**Hours: 11****Speech Technology for Sanskrit**

Traditional Indian Linguistics: Study of Śikṣā (phonetics) and Vyākaraṇa (grammar), including key texts and their relevance to modern computational approaches

Sanskrit Computational Phonetics and Phonology**Speech Recognition and Synthesis**

Acoustic Phonetics: Understanding the physical properties of Sanskrit sounds (dhvani) and their production mechanisms (uccāraṇa).

Speech Recognition: Principles of Automatic Speech Recognition (ASR), including acoustic modeling, phonetic libraries for Sanskrit, and challenges specific to the language.

Speech Synthesis (Text-to-Speech): Techniques for building systems that can generate natural-sounding Sanskrit speech from text input.

Unit: IV**Hours: 11****AI, Chatbot and Sanskrit:**

Exploring the applicability of Sanskrit grammar to contemporary artificial intelligence (AI) and natural language processing (NLP) models, a topic of significant recent discussion.

Chatbot Tool for Sanskrit Shashtras

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. <https://www.tutorialspoint.com/python>
2. <https://www.w3schools.com/python/>
3. <https://docs.python.org/3/tutorial/index.html>
4. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
5. <https://www.javatpoint.com/python-tutorial>
6. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
7. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.

8. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
9. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
10. Aamer Y. Khan, Python Programming Language with Python Project, Code Academy, 2024
11. Mehto, D. (Ed.). (2015). *Pāṇinīya-Śikṣā: Vistrit Śodhpūrṇa Hindi Vyākhyā*. Motilal Banarsidass. ISBN 978-8120823853
12. Ghosh, M. (1938). *Paniniya Shiksha (or the Siksha-Vedanga ascribed to Pāṇini): Critically edited in all its five recensions with an introduction, translation & notes together with its two commentaries*. University of Calcutta Press.
13. Śāstrī, B. S. (2017). *Laghu Siddhānta Kaumudī – Bhaimi Vyākhyā* (Set of 6 vols.). Delhi: Bhaimi Prākāśan.
14. Allen, W. Sidney. *Phonetics in Ancient India*. Oxford UP, 1973.
15. Bhat, D. N. S. *Indian Linguistic Studies*. Motilal Banarsidass, 1999.
16. Cardona, George. *Panini: His Work and Its Traditions*. Motilal Banarsidass, 1997.
17. Deshpande, Madhav M. *Sanskrit and Prakrit: Sociolinguistic Issues*. Motilal Banarsidass, 1993.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Research Trends in Dharmaśāstras

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends in Dharmaśāstras	04	3	1	0	Nil	Nil

Learning Objectives

This paper introduces students to the major trends in research on *Dharmaśāstra* literature, covering textual criticism, historical development, comparative jurisprudence, and socio-ethical interpretation. It emphasizes the evolution of dharma as a legal, moral, and philosophical concept, exploring both classical sources and contemporary scholarship.

Learning Outcomes

By the end of this course the students will be able to:

- **Analyze research trends and methodologies** applied to Dharmaśāstra studies in both traditional and modern academic contexts.
- **Interpret Dharmaśāstric concepts** such as *Dharma*, *Vyavahāra*, *Ācāra*, and *Prāyaścitta* in relation to contemporary social, ethical, and legal frameworks.
- **Employ comparative and interdisciplinary approaches** linking Dharmaśāstra with jurisprudence, sociology, and gender studies.
- **Develop independent research proposals** demonstrating textual, analytical, and interpretative skills grounded in primary sources.

Detailed Syllabus

Unit: I

Hours: 11

Introduction to Research Approaches in Dharmaśāstra

Understanding Dharmaśāstra as a Research Field
Nature and Sources of Dharmaśāstra Research
Relevance of Dharmaśāstra research in the modern academic and interdisciplinary context: legal, ethical, and social thought.

Unit: II

Hours: 12

Modern Research Approaches and Methodologies

Historical Approach: Tracing the evolution of Dharmaśāstric thought and institutions.

Philological Approach: Studying language, textual variants, and commentarial traditions.

Comparative Approach: Comparing Dharmaśāstra with Western jurisprudence and ethics.

Sociological Approach: Examining social customs, duties, and legal practices in context.

Hermeneutic Approach: Interpreting Dharmaśāstra as a system of moral reasoning and meaning.

Unit: III

Hours: 11

Thematic Research Areas in Dharmaśāstras

Jurisprudence: Concepts of justice (Nyāya), punishment (Daṇḍa), and evidence (Pramāṇa)

Sociology: Social order and Institutes (Varṇāśrama-dharma)

Labour studies

Women, inheritance, and family law in Dharmaśāstra research

Environmental and ecological dharma in recent studies

Intersections of Dharmaśāstra with Arthaśāstra and Nītiśāstra

Unit: IV

Hours: 11

Contemporary Trends, and Interdisciplinary Approaches

Dharmaśāstra in modern legal and ethical discourse

Dharmaśāstra in labour and policy discourse

Comparative study of Dharmaśāstra and Western legal systems

Relevance of Dharmaśāstra in Indian Constitution and customary law

Dharmaśāstra and sociology: social control, justice, and reform

Emerging research: gender, caste, and reform movements

Computational Linguistics: digital archiving, indexing, mining, TTS, lexicography

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts

Essential Readings:

1. Kane, P.V. *History of Dharmaśāstra*, Vols. I–V.
2. Lingat, Robert. *The Classical Law of India*.
3. Olivelle, Patrick. *Manu's Code of Law: A Critical Edition and Translation*.
4. Lariviere, Richard. *The Nāradaśmṛiti: Translation and Study*.
5. Bühler, Georg. *The Laws of Manu*.
6. Rocher, Ludo. *Studies in Hindu Law and Dharmaśāstra*.
7. Werner Menski. *Hindu Law: Beyond Tradition and Modernity*.
8. Pandurang Vaman Kane. *Dharmaśāstra kā Itihāsa*.
9. Patrick Olivelle & Donald Davis (Eds.). *Hindu Law: A New History of Dharmaśāstra*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Trends and Innovations in Indian Epigraphy

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Trends and Innovations in Indian Epigraphy	04	3	1	0	Nil	Nil

Learning Objectives

This paper aims to introduce students to the major research studies in Indian epigraphy, with a particular focus on Sanskrit inscriptions. It seeks to familiarize them with the evolution of epigraphical research, tracing its development from early explorations to contemporary scholarly trends. The course examines how inscriptions and coins have been employed as primary sources in historical and socio-cultural studies, shedding light on various aspects of India's past. Furthermore, it enables students to critically evaluate published research, assess methodological approaches and identify existing gaps to inspire meaningful and innovative future research in the field of Indian epigraphy.

Learning Outcomes

By the end of the course, students will be able to:

- Survey and categorize major research work in Sanskrit epigraphy across India.
- Analyze the contributions of epigraphical studies to understanding history, literature and society.
- Identify methodological approaches used in research.
- Critically assess research publications and develop skills for independent research projects.
- Appreciate the importance of documentation and interdisciplinary approaches.

Unit-wise Syllabus

Unit I:

11 hours

- Definition and its scope.
- History of epigraphical research.
- Formulating research questions and objectives.
- Identifying primary and secondary sources.

Unit II: **11 hours**

- Methods of collecting inscriptions and coins.
- Fieldwork and site survey.
- Conservation and handling of damaged inscriptions and coins.
- Contribution of various Indologists.

Unit III: **11 hours**

- Paleographical studies.
- Contextual interpretation.
- Comparative analysis of various languages.
- Critical review of editions and secondary sources.

Unit IV: **12 hours**

- Editing and publishing of inscriptions and coins.
- Interdisciplinary approaches between Epigraphy and Numismatics.

Tutorial Activities

- Field based observational activity.
- Comparative study.
- Writing assignments.
- Learning to collect materials based on the research studies. .
- Transcription practice of inscriptions
- Reading and review of research articles.

Essential/Recommended Readings/Texts

Essential Readings:

1. Altekar, A. S. The Coinage of the Gupta Empire.
2. Annual reports of the Archaeological Survey of India.
3. Dani, Ahmad Hasan. Indian Palaeography. 2 vols., 1963–1966.
4. Different volumes of Epigraphia Indica.
5. Gopinath, R. Sanskrit Epigraphy in India: Trends and Perspectives. Journal of Indological Studies, 2022.
6. Mahajan, V. D. Ancient Indian Coins.
7. Salomon, Richard. Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit and Other Indo-Aryan Languages. Oxford University Press, 1998.
8. Sircar, D.C. Indian Epigraphy. Motilal Banarsidass, Delhi, 1965.
9. Sircar, D. C. Studies in Indian Coins.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Research Trends and Survey in Indian Manuscriptology

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Trends and Survey in Indian Manuscriptology	04	3	1	0	Nil	Nil

Learning Objectives

This course introduces students to Indian manuscriptology and explains why manuscripts are important for preserving our literary, philosophical and religious heritage. It gives a basic overview of how scholars study manuscripts and the main research trends in this field. Students learn how manuscripts help us understand history, language, literature and cultural aspects. The course also encourages them to read manuscript catalogues, edited texts and research articles so that they can understand manuscripts in a simple and clear way.

Learning Outcomes

After completing the course, students will be able to:

- Identify major manuscript repositories in India and abroad and understand their cataloguing systems.
- Recognize important manuscripts in Sanskrit and other Indian languages.
- Analyze manuscripts for palaeographic approaches.
- Survey the evolution of research methodologies in manuscript studies.
- Critically evaluate published research and identify areas for future study.

Unit-wise Syllabus

Unit I: Introduction to Indian Manuscriptology

12 Hours

Definition and its significance.

Types of manuscripts.

Material diversity in Indian manuscripts.

Overview of major manuscript repositories.

Unit II: Historical Development

11 Hours

Study of research traditions.
Contributions of scholars.
Survey of catalogues and critical editions.
Evolution of textual criticism and palaeographical studies.

Unit III: Various Research Approaches	11 Hours
Paleographical research. Thematic studies. Relationship between epigraphy, numismatics and manuscriptology. Digital tools and databases.	

Unit IV: Contemporary Trends	11 Hours
Script evolution and its impact on Manuscriptology. Interdisciplinary approaches between Manuscriptology and Palaeography. Ethical issues. Survey of recent journals and periodicals.	

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts
Essential Readings:

1. Pandit Haraprasad Shastri, Bibliotheca Indica Series.
2. Sharma, R. C. Indian Manuscripts: A Survey. New Delhi: Vishveshvaranand Institute, 1980.
3. Katre, S.M. Introduction to Sanskrit Manuscripts. 1963.
4. Chattopadhyaya, Debiprasad. Manuscripts and Their Research. 1975.
5. Mukherjee, Sujit. The Idea of Sanskrit Manuscript Studies in India. 1986.
6. A.B. Keith, The Sanskrit Manuscripts of the Asiatic Society of Bengal.
7. Rao, P. V. Preservation and Conservation of Indian Manuscripts. 2000.
8. Pandey, R. Digitization and Manuscriptology: New Trends. 2018.
9. Sircar, D. C. Indian Epigraphy.
10. Ojha, G. H. Bharatiya Palaeography (Bharatiya Lipimala).
11. Goyal, S. R. A History of Indian Palaeography.
12. Pandey, Rajbali. Indian Palaeography.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-5: Research Methodology in Jyotish Śāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Methodology in Jyotish Śāstra	04	3	1	0	Nil	Nil

Learning Objectives

1. To understand the fundamental principles and scope of research in Jyotish Śāstra.
2. To develop methodological skills for conducting authentic and systematic research in traditional and modern contexts of Jyotish Śāstra.
3. To explore interdisciplinary approaches linking Jyotish with astronomy, mathematics, psychology and cultural studies.
4. To train students in source analysis, data collection and hypothesis formulation based on classical Jyotish Śāstra texts.
5. To encourage innovative research integrating traditional Jyotiṣa knowledge with contemporary scientific methods and technologies.

Learning Outcomes

After completing the course, students will be able to:

- Identify and apply suitable research methodologies in the study of Jyotish Śāstra.
- Critically analyze primary sources such as Bṛhat Parāśara Horā Śāstra, Sūrya Siddhānta, and Jātaka Pārijāta etc.
- Formulate research questions and hypotheses relevant to the field of Jyotish.
- Employ qualitative and quantitative tools to interpret astrological data.
- Produce scholarly research papers adhering to academic standards in Jyotish research.
- Integrate modern scientific tools (software, statistical analysis, digital archives) into Jyotish-based studies.

Unit-wise Syllabus

Unit I: Fundamentals of Research in Jyotish Śāstra

12 Hours

Nature, scope and purpose of research in Jyotish Śāstra.

Types of research as textual, analytical, comparative etc. in Jyotish Śāstra.

Importance of interdisciplinary studies with Jyotish Śāstra to another subject.
Defining problems, objectives and hypotheses in Jyotish research.

Unit II: Sources and Tools of Research in Jyotish Śāstra

11 Hours

Primary sources: Vedāṅga Jyotiṣa, Bṛhat Parāśara Horā Śāstra, Sūrya Siddhānta, Jātaka Pārijāta, Phaladīpikā.

Secondary sources: commentaries, modern research papers and digital repositories.

Data collection methods: horoscopes, astronomical charts and regional case studies.

Use of software and computational tools in astrological research.

Citation methods and referencing in Jyotish Śāstra research and modern research formats.

Unit III: Methodological Approaches

11 Hours

Textual criticism and hermeneutics in Jyotish Śāstra texts.

Comparative and historical research methods in Jyotish Śāstra.

Quantitative and qualitative analysis in astrological research.

Correlation of planetary configurations with empirical data.

Ethics, authenticity and accuracy in Jyotish research.

Unit IV: Modern Trends and Innovation in Jyotish Research

11 Hours

Integration of Jyotish Śāstra with modern sciences.

Contemporary research themes: medical astrology, meteorological astrology and socio-cultural astrology etc.

Digital humanities and Jyotish databases.

Research paper writing, documentation, and publication standards.

Future directions and challenges in Jyotish Śāstra research.

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts

Essential Readings:

1. भारतीय ज्योतिषशास्त्र का इतिहास-गोरखप्रसाद, हिन्दी संस्थान, लखनऊ, 1974
2. भारतीय ज्योतिषशास्त्र का इतिहास-नेमिचंद्रशास्त्री, भारतीयज्ञानपीठ, नई दिल्ली, 1970
3. भारतीय ज्योतिषशास्त्र का इतिहास- शंकर बालकृष्ण दीक्षित (अनु.), शिवनाथ झारखण्डी, हिन्दी संस्थान, लखनऊ, 1975
4. वृहद्वास्तुमाला, रामनिहोरद्विवेदी द्वारा संगृहीत तथा हिन्दी भाषा में अनूदिता ब्रह्मानन्द ँपं - त्रिपाठी द्वारा संशोधित व सम्पादित चौखम्बा सुरभारती प्रकाशन, वाराणसी 1987
5. बृहत्संहिता, व्याख्याकार, श्री अच्युतानन्द झा, चौखम्बा विद्याभवन, वाराणसी 1983
6. शुक्ल, द्विजेन्द्रनाथ, भारतीय वास्तुशास्त्र और प्रतिमा विज्ञान, लखनऊ 1967
7. चतुर्वेदी, शुक्लदेव भारतीय वास्तुशास्त्र - वर्तमान सन्दर्भ में समग्र परिशीलन श्री लालबहादुरशास्त्री राष्ट्रीय संस्कृत विद्यापीठ ग्रन्थमाला, पुष्प-६६, नई दिल्ली 2004
8. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, 2010
9. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, 2008
10. History of Indian Astronomy - Sankar Balkrishna Dikshit, Government of India Book Dept, Calcutta, 1981

11. Brhāt Samhitā Varāhamihir, (in two vols.) Edited with English Translation by M. Ramakrishna Bhat, Motilal Banarasidass, Delhi, 1995
12. Shukla, D.N. Vāstu-śāstra, Hindu Science of Architecture (in two vols.), Shukla Printing Press, Lucknow, 1960
13. UGC Regulations on "Promotion of Academic Integrity and Prevention of Plagiarism (2018)"

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

Advanced Research Methodology for Sanskrit

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Advanced Research Methodology for Sanskrit	02	01	01	0	Nil	Nil

Learning Objectives

This paper intends to provide in-depth exposure to advanced theories, approaches, and techniques in research methodology specifically tailored for Sanskrit studies. The aim is to enable students to engage critically with both classical and contemporary methods, equipping them to design innovative projects with academic rigor. Students will learn how to identify viable research problems, formulate research hypotheses, and construct systematic research frameworks. They will be trained to handle diverse primary and secondary sources, including unpublished manuscripts, and apply advanced textual criticism and philological methods. The curriculum will introduce digital research tools, international standards for transliteration such as IAST, and best practices for managing research data and metadata. Emphasis will also be placed on research ethics, plagiarism prevention, intellectual property rights, patent processes, and open-access publishing. By exploring the global landscape of Sanskrit research (including Scopus, Web of Science, and UGC-CARE), learners will gain the skills to navigate academic publishing, build professional research profiles, and present findings professionally through theses,

research papers, and conference presentations. The course aspires to produce researchers capable of advancing the frontiers of Sanskrit studies using both traditional wisdom and cutting-edge research technology.

Learning Outcomes

By the end of the course:

- Upon successful completion, students will be able to independently identify, conceptualize, and execute research projects of publishable quality in Sanskrit studies.
- They will demonstrate the ability to critically review literature, construct and test hypotheses, and use advanced textual criticism to edit and interpret primary sources.
- Graduates will master the use of digital research tools for manuscript digitization, database searches, and computational analysis.
- They will be able to prepare research proposals, theses, and articles in accordance with international academic standards, utilizing proper transliteration, bibliographic citation, and digital references.
- The course will ensure that students understand research ethics, copyright, and patent norms applicable to scholarly work.
- Learners will be adept at managing their academic profiles on global research platforms, avoiding predatory journals, and contributing to open educational resources.
- they will possess the confidence and competence to disseminate their research at national and international levels, participate in collaborative projects, and contribute to the evolving landscape of global Sanskrit scholarship, thereby supporting both academic and professional advancement in the field.

Detailed Syllabus

Unit: I **Hours: 15**

Advanced Theoretical Foundations and Research Design

- Overview of nature, scope, and philosophy of research in Sanskrit
- Critical exploration of types of research: Theoretical, Textual, Historical, Interpretative, Interdisciplinary, Innovative
- Understanding Research Methods: Qualitative and Quantitative
- Formulation of research problems, hypotheses, and objectives tailored to Sanskrit texts and traditions

Unit: II **Hours: 15**

Research Formulation

- Data collection, corpus management
- Academic writing skill refinement: preparation of research papers, theses, and seminar presentations
- Abstract: Core Problem, Approach, Key Findings, Impact or conclusion
Introduction: Background, summary, key focus, current scenario
Research Gap: Problem, Hypothesis, research question
Research Objective
Literature Review
Research Methodology: Design, approach
Analysis, tools, apparatus
Framework: Theories/models guiding your study
Significance or Importance

conclusion
References

Tutorial Activities

- Data collection workshop
- Paper Presentation
- Concept note writing
- Research Hypothesis writing

Essential/Recommended Readings/Texts

Essential Readings:

1. Creswell, John W. *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*.
2. Booth, Wayne C., Gregory G. Colomb, Joseph M. Williams. *The Craft of Research*.
3. Srinivasan, Amrit. *Advanced Textual Analysis in Sanskrit Studies*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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Tools for Sanskrit Research

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Tools for Sanskrit Research	02	0	0	2	Nil	Nil

Learning Objectives

This course aims to introduce students to the diverse set of digital and traditional tools available for Sanskrit research, equipping them with practical skills to enhance their scholarly investigations. Learners will familiarize themselves with various databases, digital libraries, computational linguistics applications, and software that support text digitization, annotation, and semantic analysis of Sanskrit literature. The course will develop their understanding of natural language processing (NLP) techniques, optical character recognition (OCR) for Devanagari and other scripts, digitization standards, and metadata encoding crucial for corpus development. Students will gain hands-on experience with digital platforms like the Muktabodha Digital Library, SARIT, and Sanskrit Heritage Site, learning how to navigate and utilize these resources effectively. Emphasis will be placed on integrating technological tools with traditional philological methods to foster comprehensive and interdisciplinary research. The course also aims to sensitize students to the challenges of digital Sanskrit scholarship, including script variability, data accuracy, and the ethical handling of ancient manuscripts, thereby preparing them for future research endeavors at the interface of classical studies and digital humanities.

Learning Outcomes

Upon successful completion of the course, students will be proficient in selecting and applying appropriate digital tools to support Sanskrit research, including accessing and managing digital collections and databases. They will demonstrate competence in using computational linguistics tools for morphological parsing, Sandhi resolution, and semantic tagging of Sanskrit texts. Learners will be able to perform text digitization practices and understand OCR techniques tailored for Indic scripts, ensuring high data quality. They will effectively leverage digital platforms for annotation, textual criticism, and semantic indexing, improving interpretive accuracy and research productivity. Students will also critically evaluate the limitations and ethical considerations of digital tools in Sanskrit studies. The ability to integrate traditional knowledge with modern technology will enable them to contribute innovatively to Sanskrit scholarship. Moreover, they will be prepared to actively participate in collaborative projects that harness technology for manuscript preservation, analysis, and dissemination, thus advancing the field of Sanskrit digital humanities.

Detailed Syllabus

Unit: I

Hours: 15

Introduction to Tools for Sanskrit Research

1. Overview of traditional research tools in Sanskrit studies
2. Introduction to digital repositories and libraries: Muktabodha, SARIT, Digital Library of India, etc., Online Sources
3. Bibliographic tools and reference management software for Sanskrit research

Unit: II

Hours: 15

Computational Tools and Techniques

1. Editing Tools: Word processors (MS word, Google docs)
2. Digitization techniques: OCR applications for Devanagari
3. Citation tools: Mendeley, Zotero, EndNote, RefWorks, BibTeX (for use with LaTeX)
4. Plagiarism Tools such as Turnitin, Urkund (also known as Ouriginal), iThenticate, Grammarly (for basic plagiarism check), Plagscan
5. Paraphrasing Tools: QuillBot, Grammarly Paraphrasing Tool, Paperpal. Ref-N-Write, Paraphraser.io, Scribbr, Paraphrasing Tool, Writefull, Aithor,
6. Office Comparer Tools: Diffchecker, Draftable, Text Compare!, Litera Compare, Online Text Compare, OQuick Diff
7. Bibliographic tools and reference management software (Mendeley, Zotero) for Sanskrit research

Practical Activities

- MS office practice, ppt, excel
- Paraphrasing tool, AI Tools
- OCR practice, Bibliographic tools and reference management software
- Sanskrit Typing Tools

Essential/Recommended Readings/Texts

Essential Readings:

1. <https://www.evalcommunity.com/career-center/research-tools/>
2. <https://www.tutorialspoint.com/word/index.htm>
3. <https://quillbot.com/citation-generator>
4. <https://www.mendeley.com/>
5. Kulkarni, Amba P. Computational Sanskrit: Concepts and Applications.
6. Sinha, Anil K. Sanskrit Digital Libraries and Databases
7. Williams, George. Introduction to Sanskrit Computational Linguistics.
8. Subhash Chandra. भाषासंगणन (Language Computing)

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

Semester-IV**22 Credits****DSE-6: Trends and Research Survey in Vedic Literature****Credit Distribution, Eligibility and Pre-requisites of the Course**

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Trends and Research Survey in Vedic Literature	04	3	1	0	Nil	Nil

Learning Objectives

- To acquaint learners with the nature, extent and contents of the Vedic literature.
- To introduce them with the current trends and areas of research on the Samhitas.
- To explore research studies conducted pertaining to the Brahmana and Aranyaka texts.
- To investigate into the researches carried upon Upanishads, Vedangas and Anukramani Sahitya.
- To enable students to conduct interdisciplinary else multidisciplinary researches on the Vedic literature.

Learning Outcomes

Upon successful completion of this course the students will be able to:

- describe the nature, extent and content of the Vedic literature.
- give description on the types, trends and characteristics of research studies conducted upon the Vedic Samhitas.
- enumerate research studies being undertaken to explore the implicit knowledge of Brahmana and Aranyaka texts.

- examine the existing tendencies of exploration into the content, extent and exegesis of texts of Upanishads, Vedangas and Anukramanis.
- apply varied tools and techniques of conducting interdisciplinary studies in the areas of Vedic literature.

Detailed Syllabus

Unit: I

Hour 11

Nature, Extent and Content of the Vedic literature.

Introduction to Samhitas, Brahmana, Aranyaka, Upanishad and Vedanga Texts

- Vaidika Devata Tattva
- Vaidika Rishi Parampara.
- Nirvachana Siddhanta
- Veda Bhashya Paddhati
- Vedic Bibliography

Unit: II

Hour 11

Trends and Areas of Research on Samhitas

- Rgvedasamhita
- Yajurvedasamhita
- Samavedasamhita
- Atharvavedasamhita

Unit: III

Hour 11

Survey of Researches on Brahmana and Aranyaka Texts

- Brahmana and Aranyaka Texts of Rgveda
- Brahmana and Aranyaka Texts of Yajurveda
- Brahmana and Aranyaka Texts of Samaveda
- Brahmana and Aranyaka Texts of Atharvaveda

Unit: IV

Hour 12

Survey of Researches on Upanishads and Vedangas and Anukramani Sahitya.

- Upanishads
- Vedangas
- Anukramani Sahitya

Tutorial Activities:

- Doubt solving classes.
- Introduce Vedic literature, its extent, and content.
- Investigate into the research studies carried on the Vedic literature.
- Presentation on the thesis, research and dissertations on the Vedic literature.
- Preparing lists on the innovative topics of research in Vedic literature.

Essential/Recommended Readings/Texts

1. अल्तेकर, ए.एस. रस् प्राचीन भारत में शिक्षा, दिल्ली।
2. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, २०१०
3. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, २००८
4. उपाध्याय बलदेव, वैदिक साहित्य एवं संस्कृति, शारदा संस्थान, वाराणसी, १९८५
5. उपाध्याय बलदेव, संस्कृत वाङ्मय का बृहद् इतिहास, उत्तर प्रदेश संस्कृत संस्थान, लखनऊ, २००१
6. उपाध्याय, रामजी. भारतस्य सांस्कृतिक-निधिः, चौखम्बा संस्कृत प्रतिष्ठान, दिल्ली।
7. उपाध्याय, बलदेव, वैदिक साहित्य और संस्कृति, शारदा संस्थान, वाराणसी, २०१०
8. उपाध्याय विष्णुदेव, आरण्यक और उपनिषद्, आत्माराम एंड सन्स, २००६.
9. द्विवेदी कपिलदेव, वैदिक दर्शन, विश्वभारती अनुसन्धान परिषद्, ज्ञानपुर, भदोही, उत्तर प्रदेश, २००६
10. द्विवेदी पारसनाथ, वैदिक साहित्य का इतिहास, चौखम्बा सुभारती प्रकाशन, नई दिल्ली, २०१२
11. माङ्गलिक रोहित, वेद वेदाङ्ग परिचय, इडुगुरिल्ला प्रकाशन, २०२४
12. शास्त्री, कपिलदेव, वैदिक ऋषि एक परिशीलन, कुरुक्षेत्र विश्वविद्यालय, कुरुक्षेत्र, हरियाणा, १९७८
13. द्विवेदी कपिलदेव, वैदिक देवों का आध्यात्मिक और वैज्ञानिक स्वरूप, विश्वभारती अनुसन्धान परिषद्, उत्तर प्रदेश, २००७
14. सरस्वती, महर्षि दयानन्द, ऋग्वेद भाष्य, वैदिक यन्त्रालय, अजमेर, 2014.
15. सरस्वती, महर्षि दयानन्द, ऋग्वेदादि भाष्य भूमिका, वैदिक यन्त्रालय, अजमेर, 2007.
16. सातवलेकर श्रीपाद दामोदर, ऋग्वेद का सुबोध भाष्य (चार खण्डों में) स्वाध्याय मंडल, पारडी, गुजरात, २००३.
17. सातवलेकर श्रीपाद दामोदर, यजुर्वेद का सुबोध भाष्य (दो खण्डों में), स्वाध्याय मंडल, पारडी, गुजरात, २००७.
18. सातवलेकर श्रीपाद दामोदर, सामवेद का सुबोध अनुवाद, स्वाध्याय मंडल, पारडी, गुजरात, २००१४.
19. सातवलेकर श्रीपाद दामोदर, अथर्ववेद का सुबोध भाष्य (चार खण्डों में), स्वाध्याय मंडल, पारडी, गुजरात, २०१९.
20. सायण भाष्य, ऐतरेय ब्राह्मण, आनन्द आश्रम संस्कृत ग्रन्थावली, पूना, 1970.
21. शर्मा उमेशचन्द्र, ऋक्-सर्वानुक्रमणी एंड अनुक्रमणी ऑफ़ शौनक, स्वामी अखण्डानन्द पुस्तकालय, अलीगढ़ उत्तरप्रदेश, १९७७
22. गोयन्दका हरिकृष्णदास, ईशादि नौ उपनिषद्, (अन्वय तथा हिंदी भाष्य सहित), गीता प्रेस, गोरखपुर, उत्तरप्रदेश २०२२

23. Dandekar, R. N. – Vedic Bibliography, Karnatak Publishing House, Bombay, 1946.
24. ऋक् प्रातिशाख्य, इंडियन प्रेस, प्रयागराज, १९३१
25. वेदव्याख्यापद्धतयः, डॉ. शशि तिवारी, प्रतिभा प्रकाशन, दिल्ली, २०१४
26. वैदिक ऋषि : एक परिशीलन, कपिल देव शास्त्री, कुरुक्षेत्र विश्वविद्यालय, कुरुक्षेत्र, हरियाणा, १९७८
27. वैदिक ऋषि दीर्घतमा, . डॉ. शशि तिवारी, विद्यानिधि प्रकाशन, दिल्ली, २००५

Additional Readings :

1. द्विवेदी कपिलदेव, वैदिक साहित्य एवं संस्कृति, विश्वविद्यालय प्रकाशन, वाराणसी, २०००
2. ज्ञानी, शिवदत्त. भारतीय संस्कृति, राजकमल प्रकाशन, दिल्ली।
3. Mitra Rajendralala & Harachandra, Vidyabhuana, The Gopatha Brāhmaṇa, (Edited), Ganesa Press, Calcutta, १९९२.
4. भगवद्गुप्त, वैदिक वाङ्मय का इतिहास (खण्ड 1-3), विजय कुमार गोविन्दराम हासानन्द, दिल्ली, २००८.
5. ऋग्वेदसंहिता - वेंकटमाधवभाष्यसहित, (सम्पादक) लक्ष्मणसरूप, लाहौर, १९३९
6. ऋग्वेदसंहिता – स्कन्दस्वामी तथा वेंकटमाधवाचार्यभाष्यसहित, त्रिवेन्द्रसंस्कृतसीरीज, त्रिवेन्द्रम्, १९४२
7. छान्दोग्य उपनिषद्, (सानुवाद शाङ्करभाष्यसहित) गीताप्रेस गोरखपुर, 2021
8. व्यास युगलकिशोर, ऋक् प्रातिशाख्यम्, वृज बिहारीदास एण्ड कम्पनी, वाराणसी, 1994
9. Tripathi Radhavallabh, Veda in Theory and Practice, DK Printworld Ltd, New Delhi, 2006
10. अवस्थी बच्चूलाल, पाणिनीय शिक्षा, कालिदास अकादमी। उज्जैन, १९३३

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-6: Trends and Research Survey in Indian Philosophy

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Trends and Research Survey in Indian Philosophy	04	03	01	0	Nil	Nil

Learning Objectives

- To familiarize students with the nature and scope of research in Indian Philosophy.
- To introduce classical and modern methods of philosophical research.
- To analyze major sources, commentarial traditions, and interpretative approaches.
- To acquaint students with recent trends and interdisciplinary approaches in Indian philosophical research.

Learning Outcomes

Upon successful completion of this course the students will be able to:

- Explain the nature, scope, and significance of research in Indian Philosophy.
- Identify major sources, texts, and commentarial traditions within Indian philosophical schools.
- Evaluate the modern relevance and interdisciplinary connections of Indian Philosophy (e.g., in ethics, cognitive science, or environmental philosophy).

Detailed Syllabus

Unit: I **Hour 11**

Trends and Areas of Research in Indian Philosophy

- Historical and thematic trends: Ontology, Epistemology, Ethics, and Aesthetics.
- Modern reinterpretations of Vedānta, Nyāya, Buddhism, Jainism, and Sāṃkhya.
- Comparative studies with Western philosophy.
- Interdisciplinary research: Indian Philosophy and Cognitive Science, Ethics, Environmental Philosophy.
- Emerging research domains: Feminist readings, social philosophy, philosophy of mind.

Unit: II **Hour 11**

Research Methodologies of Indian Philosophical Research

- Review, Critical Analysis, Comparative etc.
- Historical Survey of Indian Philosophies.

Unit: III**Hour 12****Survey of Researches on Astika Philosophy**

- Sankhya-Yoga.
- Nyaya-Vaisheshika.
- Purvamimansa & Uttarmimansa.
- Bhakti Vedanta, Kashmir Shaivism etc.

Unit: IV**Hour 11****Survey of Researches on Nastika Philosophy**

- Charvaka
- Buddhism
- Jainism

Tutorial Activities:

- Sources and Textual Tradition
- Concept Mapping
- Analytical Discussion
- Comparative Study
- Review & Debate Session
- writing Assignment
- Quiz & Oral Examination
- Presentation
- Research Extension

Essential/Recommended Readings/Texts**Essential Readings:**

1. शर्मा, विनयमोहन. शोधप्रविधि, नेशनल पब्लिशिंग हाउस, दिल्ली. 1973.
2. आचार्यः, सत्यनारायणः. संस्कृतशोधप्रविधिः, पुरी, 2005
3. दास, पीताम्बर. दार्शनिक शोधः एक अन्तर्क्रियात्मक अध्ययन, भारती प्रकाशन, वाराणसी 2017
4. द्विवेदी, प्रभुनाथ. संस्कृत शोध प्रविधि, शारदा संस्कृत संस्थान, वाराणसी 2010.
5. नगेन्द्र. अनुसन्धानस्य प्रविधि प्रक्रिया, राष्ट्रिय संस्कृत संस्थान, दिल्ली 2010.
6. Potter, Karl H. *Encyclopedia of Indian Philosophies*.
7. Patrick Olivelle. *The Study of Indian Philosophy: Sources and Methods*.
8. Ramachandra Rao, S.K. *Research Methodology in Indian Philosophy*
9. Jha, V. N. *Philosophical Research: Indian Perspectives*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

DSE-6: Research Methodology in Sanskrit Poetics

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Methodology in Sanskrit Poetics	04	3	1	0	Nil	Nil

Learning Objectives

- To introduce the fundamental principles and procedures of research in Sanskrit Poetics.
- To enable learners to identify research gaps and formulate research problems in the field of Sanskrit Poetics.
- To encourage analytical and comparative studies of classical and modern theories of aesthetics and literary criticism.
- To develop the ability to prepare scholarly dissertations and research papers adhering to academic standards.

Learning Outcomes

After successful completion of this course, learners will be able to:

1. Understand and apply research methodologies specific to Sanskrit Poetics.
2. Critically analyze classical texts and commentaries through research-oriented approaches.
3. Formulate independent research proposals and theses in Sanskrit literary criticism.
4. Use traditional sources and modern digital tools effectively for academic research.
5. Produce well-structured and original research works contributing to Sanskrit Poetic Studies.

Detailed Syllabus

Unit: I

Hour 11

Research related to Rasa Theory

- Find out the Vibhāva, Anubhāva and Sañcārī Bhāva in Sanskrit Texts.
- Find out the Sthāyī Bhāva in Sanskrit Texts and its difference to Sañcārī Bhāva.
- Scope of new Rasas like Preyan, Bhakti, Vatasalya etc. and their difference from Bhava.

- Confirmation of Rasa in text.
- Identification of Rasavat Alaṅkāra.
- Find out the Rasa-doṣa and their exceptions.

Unit: II**Hour 11****Research related to Alaṅkāra and Rīti Theory**

- Research of Alaṅkāra in Sanskrit Texts as main element of poetry (According to Bhāmaha, Ruṣyaḥ etc.) or like ornaments.
- Find out the Alaṅkāras related to word or meaning or both (Saṁśṛṣṭi and Saṅkara) in Sanskrit Texts.
- Classification of Alaṅkāras by Ruṣyaḥ etc and their identification in texts.
- Research of Rīti as Ātmā or like Avayavasamsthānaviśeṣa of poetry in Sanskrit texts.
- Kinds of Rīti and their identification in texts.
- Scope of new Rīti like Avantī, Lāṭī etc. and their identification.

Unit: III**Hour 11****Research related to Dhvani Theory**

- Find out the Vastumātra and Alaṅkāra Dhvani in Sanskrit texts.
- Find out the rest of Rasādi Dhvani i.e. Bhāva, Rasābhāsa, Bhāvābhāsa, Bhāvodaya, Bhāvasandhi, Bhāvaśabalatā, Bhāvaśānti.
- Research of Guṇībhūtavyaṅgya and Citra kāvya in texts.

Unit: IV**Hour 11****Research related to Vakrokti and Aucitya Theory**

- Find out the Vakrokti Theory in Sanskrit Texts.
- Find out the Aucitya Theory in Sanskrit Texts.

Tutorial

- Text Reading and Explanation Workshop
- Analytical Discussion
- Illustrative Exercise: Identifying Aucitya and Dhvani
- Terminology Familiarization and Quiz

Essential/Recommended Readings/Texts**Essential Readings:**

1. Bharata: **Nāṭyaśāstra**
2. Vāmana: **Kāvyaḷaṅkārasūtravṛtti**
3. Ānandavardhana: **Dhvanyāloka**
4. Kuntaka : **Vakroktijīvitam**
5. Kṣemendra : **Aucityavicāracarcā**
6. Mammata: **Kāvyaṣṛakāṣa**
7. Viśvanātha Kavirāja: **Sāhityadarpaṇa**
8. Jagannātha Paṇḍitarāja: **Rasagaṅgādhara**

Recommended Readings/Texts

1. K. Krishnamoorthy – *Essays in Sanskrit Criticism*
2. P.V. Kane – *History of Sanskrit Poetics*
3. S.K. De – *History of Sanskrit Poetics* (Vol. I & II)
4. V. Raghavan – *Sanskrit Poetics and Aesthetics*
5. R. Gnoli – *The Aesthetic Experience according to Abhinavagupta*
6. Kunjunni Raja – *Indian Theories of Meaning*
7. S.B. Kulkarni – *Research Methodology in Sanskrit*
8. J.S. Jetly – *Research Methodology in Sanskrit Studies*
9. A.N. Mishra – *Sanskrit Poetics: A Critical Study*

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time

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DSE-6: Research Survey in Dharmaśāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Survey in Dharmaśāstra	04	3	1	0	Nil	Nil

Learning Objectives

This paper aims to provide an in-depth survey of research in Dharmaśāstra literature, tracing its evolution from classical sources to modern interpretations. Students will explore the textual, philosophical, ethical, and socio-legal dimensions of Dharmaśāstric traditions, review significant modern research works, and develop independent scholarly perspectives through critical and comparative analysis.

Learning Outcomes

After completing this course, learners will be able to:

- Demonstrate an understanding of key research areas and methodologies in Dharmaśāstra studies.
- Critically review and evaluate existing research trends.
- Survey ancient and modern research methodologies applied to Dharmaśāstra studies.
- Examine interdisciplinary linkages of Dharmaśāstra with fields like law, medicine, environment, finance, labour, economics, management, sociology, and ethics.
- Develop independent research projects based on primary Dharmaśāstra sources.

Detailed Syllabus

Unit: I

Hours: 11

Foundations and Methodology of Survey in Dharmaśāstra

- Scope and interdisciplinary nature of Dharmaśāstra studies
- Research methodologies used in Dharmashastric studies: Descriptive, Analytical, Historical, and Comparative
- Relevance of Dharmaśāstra research in the modern academic and interdisciplinary context
- Purpose and importance of research surveys in Sanskrit studies

Unit: II

Hours: 12

Thematic Researches Conducted in Dharmaśāstras

- Ancient Concepts:
Varṇa-Āśrama System, Saṃskāras, Puruṣārtha Catuṣṭaya, Rājadharmā, Arthashāstra traditions, saptanga sidhant, dharma and ethics
- Contemporary Concepts:
Labour and policy, Law and Jurisprudence, Sociology, Gender studies, Environmental sciences, medicine, finance, economics, management, and ethics
- Review of Indian and international scholarly works on theological and various dimensions of Dharmaśāstras

Unit: III**Hours: 11****Understanding Interdisciplinary Dimensions for conducting Research in Dharmaśāstra**

- Comparative and psychological studies on social institutions
- Interconnections of Dharma with philosophy, ethics, and social management
- Linking Rājadharmā and Arthashāstra traditions with contemporary Judicial systems (Jurisprudence: Concepts of justice (Nyāya), punishment (Daṇḍa), and evidence (Pramāṇa))
- Ancient perspectives on governance, economics, Labour studies and corporate ethics
- Studies linking Dharmaśāstra with environmental science, medicine, and management
- Research trends connecting Dharmaśāstra with Ayurveda, Pediatrics, and lifestyle science
- Women, inheritance, and family law in Dharmaśāstra research
- Intersections of Dharmaśāstra with Arthasāstra and Nītiśāstra

Unit: IV**Hours: 11****Modern Trends, Digitization, and Future Research Directions**

- Critical analysis of existing research surveys and emerging gaps
- Role of technology and digitization in Dharmaśāstra studies
- Digital humanities approaches: text mining, database development, and online indexing of Smṛti and sūtrā literature
- Future directions: interdisciplinary synthesis, sustainability ethics, and cultural applications

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion
- Prepare a concept note on “Digital Repository of Dharmaśāstric Researches.”
- Presentation on global trends in digitization of Sanskrit resources.

Essential/Recommended Readings/Texts**Essential Readings:**

1. Kane, P.V. *History of Dharmaśāstra*, Vols. I–V.
2. Lingat, Robert. *The Classical Law of India*.
3. Olivelle, Patrick. *Manu's Code of Law: A Critical Edition and Translation*.

4. Lariviere, Richard. *The Nāradaśmṛiti: Translation and Study*.
5. Bühler, Georg. *The Laws of Manu*.
6. Rocher, Ludo. *Studies in Hindu Law and Dharmaśāstra*.
7. Werner Menski. *Hindu Law: Beyond Tradition and Modernity*.
8. Pandurang Vaman Kane. *Dharmaśāstra kā Itihāsa*.
9. Patrick Olivelle & Donald Davis (Eds.). *Hindu Law: A New History of Dharmaśāstra*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Computational Tool Development for Sanskrit Texts

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Computational Tool Development for Sanskrit Texts	04	3	0	1	Nil	Nil

Learning Objectives

The learning objectives of research in Computational Tool Development for Sanskrit Texts are primarily a blend of applying computational methods to Sanskrit texts and leveraging the insights from traditional Pāṇinian grammar and Sanskrit Shastras. The fundamental objective is to develop and apply computational techniques to process and analyze the vast Sanskrit literature.

Learning Outcomes

By the end of this course, the students will be able to:

- Do the Computational Analysis of Sanskrit Texts.
- Apply the advancing linguistic theory to the SCL research.
- Building Practical Applications and Tools for Sanskrit.
- Do the programming in Python
- Understand the Web technology

Detailed Syllabus

Unit: I

Hours: 11

Basics of Computational Tool Development

- Identification of the problem
- Understanding the theoretical concepts
- Data/Text Selection, Data Preparation: Methods
- Text Digitization & understanding the OCR

Unit: II

Hours: 12

Introduction to Python

Introduction to Python programming
Project-based learning using Python

Unit: III**Hours: 11****Introduction to Web Development**

Introduction to HTML

Using various types of CSS:

Inline, Internal and External

Using various types of JS

Unit: IV**Hours: 11****Introduction to Flask**

- Flask basics
- Development of a tool using Python and Flask

Practical

- Python Programming
- HTML
- CSS
- JavaScript
- Flask
- Mini Projects for Sanskrit using Python and CSS

Essential/Recommended Readings/Texts**Essential Readings:**

1. <https://www.tutorialspoint.com/python>
2. <https://www.w3schools.com/python/>
3. <https://docs.python.org/3/tutorial/index.html>
4. <https://www.geeksforgeeks.org/python-programming-language-tutorial/>
5. <https://www.javatpoint.com/python-tutorial>
6. S. Bird, E. Klein, and E. Loper, Natural Language Processing with Python, <https://www.nltk.org/book/>
7. Matthes, Eric. *Python crash course: A hands-on, project-based introduction to programming*. no starch press, 2023.
8. Van Rossum, Guido, and Fred L. Drake Jr. *Python tutorial*. Vol. 620. Amsterdam, The Netherlands: Centrum voor Wiskunde en Informatica, 1995.
9. Van Rossum, Guido. *An introduction to Python*. Edited by Fred L. Drake. Bristol: Network Theory Ltd., 2003.
10. Aamer Y. Khan, Python Programming Language with Python Project, Code Academy, 2024
11. Mehto, D. (Ed.). (2015). *Pāṇinīya-Śikṣā*: Vistrit Śodhpūrṇa Hindi Vyākhyā. Motilal Banarsidass. ISBN 978-8120823853
12. Ghosh, M. (1938). *Paniniya Shiksha (or the Siksha-Vedanga ascribed to Pāṇini)*: Critically edited in all its five recensions with an introduction, translation & notes together with its two commentaries. University of Calcutta Press.
13. Śāstrī, B. S. (2017). *Laghu Siddhānta Kaumudī – Bhaimi Vyākhyā* (Set of 6 vols.). Delhi: Bhaimi Prākāśan.

14. Allen, W. Sidney. Phonetics in Ancient India. Oxford UP, 1973.
15. Bhat, D. N. S. Indian Linguistic Studies. Motilal Banarsidass, 1999.
16. Cardona, George. Panini: His Work and Its Traditions. Motilal Banarsidass, 1997.
17. Deshpande, Madhav M. Sanskrit and Prakrit: Sociolinguistic Issues. Motilal Banarsidass, 1993.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

DSE-6: Research Methodology in Sanskrit Grammar

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Research Methodology in Sanskrit Grammar	04	3	1	0	Nil	Nil

Learning Objectives

- To understand the fundamental principles and methodologies of research in the field of Sanskrit Grammar (Vyākaraṇa).
- To familiarize students with traditional and modern approaches to linguistic and grammatical research.
- To develop analytical and critical skills for examining grammatical texts and commentaries.
- To train students in the preparation of research proposals, data collection, analysis, and interpretation in Sanskrit grammar studies.
- To explore interdisciplinary and technological tools applicable in Sanskrit grammatical research.

Learning Outcomes

After completing this course, learners will be able to:

- Demonstrate a clear understanding of research processes and methodologies relevant to Sanskrit grammar.
- Analyse classical grammatical works of Pāṇini, Kātyāyana, and Patañjali using research-based approaches.
- Apply modern linguistic theories and digital tools in Sanskrit grammar research.
- Formulate independent research questions and prepare scholarly research proposals in the field of Vyākaraṇa.
- Critically review existing literature and contribute innovative perspectives to Sanskrit grammatical studies.

Detailed Syllabus

Unit: I

Fundamentals of Research in Sanskrit Grammar

- Nature and scope of research in Vyākaraṇa

Hours: 11

- Purpose, significance, and types of research (Descriptive, Analytical, Comparative, Historical)
- Sources of Sanskrit grammatical research: Primary and Secondary
- Review of major grammatical systems: Pāṇinian, Non-Pāṇinian (Cāndra, Śākaṭāyana, Jainendra)

Unit: II**Hours: 12****Research Tools and Techniques**

- Manuscriptology and textual criticism in grammatical research
- Methods of data collection and interpretation in grammar-based studies
- Use of lexicons, commentaries, and scholastic literature in grammatical research
- Application of linguistic models and modern grammar theories to Sanskrit

Unit: III**Hours: 11****Trends and Innovations in Vyākaraṇa Research**

- Modern approaches to Pāṇinian grammar
- Computational and digital research tools in Sanskrit grammar
- Contributions of modern scholars and institutions to Vyākaraṇa studies
- Interdisciplinary research: Relation of Vyākaraṇa with Linguistics, Philosophy, Logic, and Literature

Unit: IV**Hours: 11****Research Writing and Presentation**

- Structuring a research paper/thesis in Sanskrit Grammar
- Citation, referencing, and use of traditional and digital bibliographical tools
- Critical review and evaluation of previous research works
- Ethical considerations in research and plagiarism awareness

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion
- Presentation on global trends in digitization of Sanskrit resources.

Essential/Recommended Readings/Texts**Essential Readings:**

1. Patañjali — Mahābhāṣya (Selected portions)
2. Pāṇini — Aṣṭādhyāyī (with commentaries of Kāśīkā and Siddhāntakaumudī)
3. R.N. Sharma — Research Methodology in Sanskrit
4. V. Raghavan — Researches in Sanskrit Grammar and Linguistics
5. S.D. Joshi (Ed.) — Pāṇinian Studies

6. Kapil Kapoor — Dimensions of Paninian Grammar
7. Subramania Iyer — The Pāṇinian System of Grammar and its Methodology
8. Krishnamurti, Bh. — Modern Linguistics and Sanskrit Grammar
9. K.S. Arjunwadkar — Studies in Pāṇinian Grammar
10. Relevant research papers and digital archives (e.g., Sanskrit Library, Muktabodha Digital Library, GRETIL)

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Trends and Research Survey in Indian Epigraphy

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Trends and Research Survey in Indian Epigraphy	04	3	1	0	Nil	Nil

Learning Objectives

This paper aims to introduce students to the major research studies in Indian epigraphy, with a particular focus on Sanskrit inscriptions. It seeks to familiarize them with the evolution of epigraphical research, tracing its development from early explorations to contemporary scholarly trends. The course examines how inscriptions and coins have been employed as primary sources in historical and socio-cultural studies, shedding light on various aspects of India's past. Furthermore, it enables students to critically evaluate published research, assess methodological approaches and identify existing gaps to inspire meaningful and innovative future research in the field of Indian epigraphy.

Learning Outcomes

After completing this course, learners will be able to:

- Survey and categorize major research work in Sanskrit epigraphy across India.
- Analyze the contributions of epigraphical studies to understanding history, literature and society.
- Identify methodological approaches used in research.
- Critically assess research publications and develop skills for independent research projects.
- Appreciate the importance of documentation and interdisciplinary approaches.

Detailed Syllabus

Unit: I

Hours: 11

- Definition and its significance.
- Historical development.
- Major sources of Epigraphy and Numismatics.
- Survey of journals and publications.

Unit: II

Hours: 12

- North & South India.
- East, Central and West India.
- Coins of various dynasties.
- Study of variations.

Unit: III**Hours: 11**

- Study of political, cultural, religious and social approaches.
- Palaeographical analysis.
- Thematic studies.
- Comparative study of the inscriptions and coinage.

Unit: IV**Hours: 11**

- Critical evaluation of research articles
- Review of major research work.
- Field visit and practical work.
- Interdisciplinary methods: Integrating Archaeology, Numismatics and Epigraphy.

Tutorial Activities

- Collection and review of various sources.
- Comparative study.
- Writing assignments.
- Reading and review of research articles.
- Presentations and discussions.
- Field visit.

Essential/Recommended Readings/Texts**Essential Readings:**

1. Altekhar, A.S. The Coinage of the Gupta Empire. Delhi, 1957.
2. Archaeological Survey of India. Annual Reports. New Delhi.
3. Dani, Ahmad Hasan. Indian Palaeography. 2 vols., New Delhi, 1963–1966.
4. Epigraphia Indica. Volumes, Archaeological Survey of India, New Delhi.
5. Kielhorn, Franz. Inscriptions of the Early Chalukyas and Rashtrakutas. Berlin, 1925.
6. Mahalingam, T.V. Inscriptions of the Pallavas. Indian Council of Historical Research (ICHR), New Delhi, 1988.
7. Ramaswami, N.S. Epigraphy and Society: Studies in South Indian Inscriptions. New Delhi, 1997.
8. Gopinath, R. Sanskrit Epigraphy in India: Trends and Perspectives. Journal of Indological Studies, 2022.
9. Salomon, Richard. Indian Epigraphy: A Guide to the Study of Inscriptions in Sanskrit, Prakrit, and Other Indo-Aryan Languages. Oxford University Press, Oxford, 1998.
10. Sircar, D.C. Indian Epigraphy. Motilal Banarsidass, Delhi, 1965.
11. Sircar, D.C. Studies in Indian Coins. Motilal Banarsidass, Delhi, 1965.
12. Tripathi, R.S. Inscriptions of Ancient India. Delhi, 1970.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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DSE-6: Researches in Jyotiṣa Śāstra

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Researches in Jyotiṣa Śāstra	04	3	1	0	Nil	Nil

Learning Objectives

- To acquaint students with the historical and contemporary trends in Jyotiṣa Śāstra research.
- To develop critical understanding of classical texts of Jyotiṣa Śāstra in the light of modern methodologies.
- To explore innovative approaches, interdisciplinary methods and digital tools applied in studies of Jyotiṣa Śāstra.
- To promote ethical, critical and culturally rooted research practices in Jyotiṣa Śāstra.

Learning Outcomes

After completing the course, students will be able to:

- Identify and evaluate key research trends in Jyotiṣa Śāstra from ancient to modern times.
- Apply innovative research methodologies in the study of traditional Jyotiṣa Śāstra texts and concepts.
- Integrate interdisciplinary approaches (astronomy, mathematics, cultural studies, philosophy) in Jyotiṣa Śāstra research.
- Critically analyze research papers, theses, and publications related to Jyotiṣa Śāstra.
- Prepare scholarly research proposals reflecting innovation, authenticity, and scientific temperament.

Unit-wise Syllabus

Unit I: Foundations of Research in Jyotiṣa Śāstra

12 Hours

- Nature and scope of Jyotiṣa as a śāstra: Gola, Gaṇita and Jātaka divisions.
- Historical overview of Jyotiṣa Śāstra research: from Vedāṅga Jyotiṣa to modern scholarship.
- Research methodology in Jyotiṣa Śāstra tradition: textual, comparative and analytical approaches.
- Traditional commentarial methods and their relevance to modern research.

Unit II: Modern Trends in Jyotiṣa Śāstra Research

11 Hours

- Post-independence and contemporary research trends in Jyotiṣa Śāstra studies.
- Contributions of modern scholars and research institutions in research of Jyotiṣa Śāstra.
- Integration of Jyotiṣa Śāstra with modern astronomy and cosmology.
- Critical evaluation of theses, dissertations and publications in Jyotiṣa Śāstra.

Unit III: Innovation and Interdisciplinary Approaches**11 Hours**

- Use of digital tools, astronomical software and data analytics in Jyotiṣa Śāstra research.
- Comparative study of Indian and Western astronomical traditions.
- Interlinking of Jyotiṣa Śāstra with Ayurveda, Philosophy, Dharmshastra etc.
- Case studies: innovative interpretations of graha, rāśi, nakṣatra and daśa systems.
- Challenges and opportunities in applying modern scientific frameworks of Jyotiṣa Śāstra.

Unit IV: Research Writing and Ethics in Jyotiṣa Śāstra Studies**11 Hours**

- Formulating research problems and hypotheses in Jyotiṣa Śāstra.
- Methods of data collection, interpretation and citation in Jyotiṣa Śāstra research.
- Academic writing and referencing (traditional and modern styles).
- Ethical concerns in Jyotiṣa research — authenticity, verification and responsible publication.
- Preparation of research proposals and synopsis.

Tutorial Activities

- Research paper writing
- Survey of multidisciplinary papers
- Paper presentation
- Group Discussion

Essential/Recommended Readings/Texts**Essential Readings:**

1. भारतीय ज्योतिषशास्त्र का इतिहास-गोरखप्रसाद, हिन्दी संस्थान, लखनऊ, 1974
2. भारतीय ज्योतिषशास्त्र का इतिहास-नेमिचंद्रशास्त्री, भारतीयज्ञानपीठ, नई दिल्ली, 1970
3. भारतीय ज्योतिषशास्त्र का इतिहास- शंकर बालकृष्ण दीक्षित (अनु.), शिवनाथ झारखण्डी, हिन्दी संस्थान, लखनऊ, 1975
4. बृहद्वास्तुमाला, रामनिहोरद्विवेदी द्वारा संगृहीत तथा हिन्दी भाषा में अनूदिता ब्रह्मानन्द णं - त्रिपाठी द्वारा संशोधित व सम्पादित चौखम्बा सुरभारती प्रकाशन, वाराणसी 1987
5. बृहत्संहिता, व्याख्याकार, श्री अच्युतानन्द झा, चौखम्बा विद्याभवन, वाराणसी 1983
6. शुक्ल, द्विजेन्द्रनाथ, भारतीय वास्तुशास्त्र और प्रतिमा विज्ञान, लखनऊ 1967
7. चतुर्वेदी, शुक्लदेव भारतीय वास्तुशास्त्र - वर्तमान सन्दर्भ में समग्र परिशीलन श्री लालबहादुरशास्त्री राष्ट्रीय संस्कृत विद्यापीठ ग्रन्थमाला, पुष्प-६६, नई दिल्ली 2004
8. अनुसन्धानस्य प्रविधिप्रक्रिया, डॉ. नगेन्द्रः, केन्द्रिय संस्कृत विश्वविद्यालय, नई दिल्ली, 2010
9. शोधप्रविधि एवं पाण्डुलिपिविज्ञान, प्रो. अभिराज राजेन्द्र मिश्र एवं राजेश कुमारी मिश्र, अक्षयवट प्रकाशन, इलाहाबाद, उत्तर प्रदेश, 2008
10. History of Indian Astronomy - Sankar Balkrishna Dikshit, Government of India Book Dept, Calcutta, 1981
11. Brhāt Samhitā Varāhamihir, (in two vols.) Edited with English Translation by M. Ramakrishna Bhat, Motilal Banarasidass, Delhi, 1995
12. Shukla, D.N. Vāstu-śāstra, Hindu Science of Architecture (in two vols.), Shukla Printing Press, Lucknow, 1960
13. UGC Regulations on "Promotion of Academic Integrity and Prevention of Plagiarism (2018)"

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time.

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Fundamental Techniques for Thesis and Research Paper Writing

Credit Distribution, Eligibility and Pre-requisites of the Course

Course Title & Code	Credits	Credit Distribution of the Course			Eligibility Criteria	Prerequisite of the Course
		Lecture	Tutorial	Practical/ Practice		
Fundamental Techniques for Thesis and Research Paper Writing	02	1	0	1	Nil	Nil

Learning Objectives

This course aims to equip students with comprehensive skills and knowledge essential for effective thesis and research paper writing within Sanskrit studies. Learners will develop an understanding of the structural and stylistic elements necessary for composing clear, coherent, and academically rigorous research documents. The course will train students in critical stages of research writing, including designing research frameworks, organizing and presenting scholarly arguments, and adhering to formatting and citation conventions. Students will gain practical expertise in utilizing various modern writing and reference management tools such as LaTeX, Mendeley, and Zotero to streamline research documentation and improve presentation quality. Additionally, the course emphasizes ethical research practices, plagiarism avoidance, and effective proofreading techniques. Through guided exercises, students will enhance their ability to communicate their research findings persuasively and professionally, preparing them to publish in reputable academic forums and contribute meaningfully to the field of Sanskrit scholarship.

Learning Outcomes

Upon completion of this course, students will demonstrate a strong ability to independently plan, organize, and compose theses and research papers to rigorous academic standards. They will understand and apply the structural elements and stylistic conventions that define scholarly writing, including clear articulation of research objectives, systematic literature review, and logical development of arguments. Learners will hone their skills in drafting, revising, and editing work, with emphasis on coherence, critical analysis, and persuasive communication of their ideas. The course will train them to employ modern digital tools for writing and reference management, such as LaTeX, Mendeley, and Zotero, streamlining the research and citation process and ensuring accuracy in scholarly documentation. Through practical assignments, students will internalize best practices for formatting according to journal and university guidelines, avoiding plagiarism, and respecting intellectual property rights. They will also become adept at integrating feedback from instructors and peers, further refining their academic writing. Ultimately, students will be equipped not only to present complex research findings clearly and professionally—

but also to contribute original scholarship to reputable national and international academic forums in Sanskrit and allied fields, establishing themselves as competent and ethical contributors to the scholarly community.

Detailed Syllabus

Unit: I

Hour 15

Foundations of Academic Writing

1. Introduction to academic writing: purpose, types, and scope
2. Building research frameworks: formulating objectives and research questions
3. Citations and Bibliographical Elements: In-text references, bibliography etc.
4. Publication strategies for Sanskrit researchers: journal selection, peer review, open access
5. Research profiling: Scopus, Web of Science, UGC-CARE, Directory of Open Access Journals (DOAJ), JSTOR, and related platforms.
6. Journal Indexes: Indian Citation Index (ICI), H index, i10 index

Unit: II

Hour 15

Literature Review and Research Organization

1. Conducting comprehensive literature reviews
2. Use of bibliographic tools, catalogs, and databases such as google scholar, wiki, shodhganga, Sanskrit-shodhsindhu, various university libraries and websites.
3. Basics of thesis Structure: Preface, Index, Executive summary, chapterization, conclusion, bibliography
4. Basics of research paper Structures: Title, Author Details, Abstract, keywords, Introduction, Methodology, Results, Discussion, conclusion and Future directions.

Tutorial Activities:

- Executive Summary/ Extended Abstract Writing
- Literature Review
- Group Discussion
- Cataloguing for interdisciplinary research themes
- Paper Presentation Workshop

Essential/Recommended Readings/Texts

Essential Readings:

1. Swales, John M. and Christine B. Feak. *Academic Writing for Graduate Students*.
2. Day, Robert A. *How to Write and Publish a Scientific Paper*.
3. Hyland, Ken. *Disciplinary Discourses: Social Interactions in Academic Writing*.
4. Stone, Andrea. *The Essential Guide to Academic Writing*.

Examination Scheme and Mode: Subject to directions from the Examination Branch/University of Delhi from time to time