

NOTIFICATION

Subject: Amendment to Ordinance V

Following minor changes be made to Appendix-II-A to the Ordinance V (2-A) of the Ordinances of the University with respect to the courses offered in B. Sc. (Hons) Physics programme of Faculty of Science based on Undergraduate Curriculum Framework 2022, is notified herewith for the information of all concerned.

Amended list of courses semester-wise with their credit distributions	Remarks
I Semester DSC-1:MP-1 (3L, 1P) DSC-2: Mechanics (3L, 1P) DSC-3: Waves & Oscillations (2L, 2P)	No change
II Semester DSC-4: Mathematical Physics II (3L, 1P) DSC-5: Electricity and Magnetism (3L, 1P) DSC-6: Electrical Circuit Analysis (2L, 2P)	w.e.f. January 2026
III Semester DSC-7: MP-III (3L, 1P) DSC-8: Digital Electronics (3L, 1P) DSC-9: Light & Matter (2L, 2P) DSE -1: <ul style="list-style-type: none"> • Biophysics (3L, 1P) • Numerical Analysis (2L, 2P) 	w.e.f. academic session 2026-27 onwards This is not applicable for those students who have studied Semester III prior to 2026
IV Semester DSC-10: Modern Physics (3L, 1P) DSC-11: Thermal Physics (2L, 2P) DSC-12: Analog Electronics (2L, 2P) DSE-2: <ul style="list-style-type: none"> • Advanced Mathematical Physics-I (3L, 1T) • Physics of Devices (2L, 2P) • Physics of Earth (3L, 1P) 	w.e.f. academic session 2026-27 onwards This is not applicable for those students who have studied Semester III prior to 2026.
V Semester DSC-13: Electromagnetic Theory (3L, 1P) DSC-14: Quantum Mechanics (3L, 1P) DSC-15: Solid State Physics (3L, 1P) DSE-3: <ul style="list-style-type: none"> • Astronomy and Astrophysics (3L, 1T) • Physics of Materials (2L, 2 P) 	'Quantum Mechanics -I' is renamed as 'Quantum Mechanics' The shifting of 'Digital Electronics' and 'Solid State Physics' will be effective from the academic session 2026-27 onwards and shall not be applicable to

12/1/26

<ul style="list-style-type: none"> • Communication System (2L, 2P) 	those who have studied it in Semester III prior to 2026.
<p>VI Semester</p> <p>DSC-16: Statistical Mechanics (3L, 1T) DSC-17: Atomic, Molecular and Nuclear Physics (3L, 1T) DSC-18: Tensor Analysis and Applications in Physics (3L, 1T)</p> <p>DSE-4:</p> <ul style="list-style-type: none"> • Statistical Analysis in Physics (2L, 2P) • Microprocessor (2L, 2P) • Research Methodology (3L, 1P) 	<p>DSC-18: 'Statistical Analysis in Physics' has been shifted to the DSE pool.</p> <p>It is replaced by the 'DSE: Advanced Mathematical Physics II' of the same semester, which is also renamed as 'Tensor Analysis and Applications in Physics'</p> <p>w.e.f. January, 2026</p>
<p>VII Semester</p> <p>DSC 19: Classical Mechanics (3L, 1T)</p> <p>DSEs:</p> <ul style="list-style-type: none"> • Advanced Mathematical Physics –II (3L,1T) • Advanced Quantum Mechanics –I (3L, 1T) • Atmospheric Physics and Climate Change (3L,1P) • Nanoscience (2L, 2P) • Nuclear and Particle Detectors (3L, 1T) • Research Methodology (3L, 1P) • Semiconductor Devices -Fabrication and Applications (2L, 2P) 	<p>Change in DSE list:</p> <p>Removed 'Advanced Mathematical Physics II' from the DSE list as it has been converted to DSC-18 of Semester VI, with new title – Tensor Analysis and Applications in Physics'.</p> <p>'Advanced Mathematical Physics III' is now renamed as 'Advanced Mathematical Physics II'</p> <p>w.e.f. January 2026.</p>
<p>VIII Semester</p> <p>DSC-20: Electrodynamics (3L, 1T)</p> <p>DSEs:</p> <ul style="list-style-type: none"> • Advanced Statistical Mechanics (3L, 1T) • Advanced Quantum Mechanics –II (3L, 1T) • Digital Signal Processing (2L, 2P) • Group Theory and Applications (3L, 1T) • Nuclear and Particle Physics (3L, 1T) • Plasma Physics (3L, 1T) • Sensors and Detectors (3L, 1P) 	<p>Interchange of DSC with DSE</p> <p>The DSC-20: 'Advanced Statistical Mechanics' has been interchanged with the DSE – 'Electrodynamics' of the same semester</p> <p>w.e.f. the academic session 2026-27</p>

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