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# COURSE AT A GLANCE

*SUBJECT: PHYSICS*

*ACADEMIC SESSION:* **2025-26**

*First Semester*-December, 2025

| Course Number | Course Title | Credit Hour | Mark Distribution | Maximum Marks |
|---|---|---|---|---|
| 411 | CLASSICAL & RELATIVISTIC MECHANICS | 4(Theory) | 20+80 | 100 |
| 412 | QUANTUM MECHANICS | 4(Theory) | 20+80 | 100 |
| 413 | MATHEMATICAL METHODS FOR PHYSICS | 4(Theory) | 20+80 | 100 |
| 414 | COMPUTER PERFORMMING | 4(Theory) | 20+80 | 100 |
| 415 | COMPUTER PRACTCAL(I) | 2(Practical) | 100 | 100 |
| 416 | OPTICS PRACTICAL | 2(Practical) | 100 | 100 |
| 417 | Environmental Studies and Disaster Management | 2 | 40+60 | 100 |

*Second Semester*-April, 2026

| Course Number | Course Title | Credit Hour | Mark Distribution | Maximum Marks |
|---|---|---|---|---|
| 421 | ELECTRODYNAMICS | 4(Theory) | 20+80 | 100 |
| 422 | QUANTUM MECHANICS(II) | 4(Theory) | 20+80 | 100 |
| 423 | BASIC ELECTRONICS | 4(Theory) | 20+80 | 100 |
| 424 | STATISTICAL MECHANICS | 4(Theory) | 20+80 | 100 |
| 425 | COMPUTER PRACTICAL (II) | 2(Practical) | 100 | 100 |
| 426 | ELECTRICITY & MEGNETISIM | 2(Practical) | 100 | 100 |
| 427 | IDC | 3 | 40+60 | 100 |

*Third Semester*-December, 2026

| Course Number | Course Title | Credit Hour | Mark Distribution | Maximum Marks |
|---|---|---|---|---|
| 511 | SOLID STATE PHYSICS | 4(Theory) | 20+80 | 100 |
| 512 | ELECTIVE PAPERS(I) | 4(Theory) | 20+80 | 100 |
| 513 | ATOMIC AND MOLECULAR SPECTROSCOPY | 4(Theory) | 20+80 | 100 |
| 514 | RESEARCH METHODLOGY | 4(Theory) | 20+80 | 100 |
| 515 | MODREN PHYSICS PRACTICAL (I) | 2(Practical) | 100 | 100 |
| 516 | ELECTIVE PAPER PRACTICAL(I) | 2(Practical) | 100 | 100 |
| 517 | Entrepreneurship Development | 2 | 40+60 | 100 |

*Fourth Semester*-April, 2027

| Course Number | Course Title | Credit Hour | Mark Distribution | Maximum Marks |
|---|---|---|---|---|
| 521 | NUCLEAR PHYSICS | 4(Theory) | 20+80 | 100 |
| 522 | PARTICLE PHYSICS | 4(Theory) | 20+80 | 100 |
| 523 | ELECTIVE PAPER-(II) | 4(Theory) | 20+80 | 100 |
| 524 | MODERN PHYSICS PRACTICAL(II) | 4(Theory) | 100 | 100 |
| 525 | ELECTIVE PAPER PRACTICAL(II) | 2(Practical) | 100 | 100 |
| 526 | RESEARCH PROJECT CUM GRAND VIVA | 2(Practical) | 100 | 100 |
| 527 | MOOC | 3 | | 100 |

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