

Course Structure for CBCS in M.Sc. Botany

| Semester | Course Code | Course Title | Teaching Hours/wk (L:T:P) | Credits | Total Credit |
|----------|-----------------------|--|---------------------------|---------------------|--------------|
| I | BOT- 411 | Phycology and Bryophyte | 3:1:0 | 4 | 22 |
| | BOT- 412 | Mycology and Plant Pathology | 3:1:0 | 4 | |
| | BOT- 413 | Pteridophyte, Gymnosperm and Palaeobotany | 3:1:0 | 4 | |
| | BOT- 414 | Angiosperm | 3:1:0 | 4 | |
| | BOT- 415 | Practical I | 0:0:6 | 3 | |
| | BOT- 416 | Practical II | 0:0:6 | 3 | |
| II | BOT- 421 | General Microbiology | 3:1:0 | 4 | 22 |
| | BOT- 422 | Bioresources Utilization | 3:1:0 | 4 | |
| | BOT- 423 | Ecology and Environment | 3:1:0 | 4 | |
| | BOT- 424 | Cell Biology and Genetics | 3:1:0 | 4 | |
| | BOT- 425 | Practical III | 0:0:8 | 4 | |
| | BOT- 426 | Field Report | 0:0:4 | 2 | |
| III | BOT- 531 | Plant Physiology and Biochemistry | 3:1:0 | 4 | 20 |
| | BOT- 532 | Practical IV | 0:0:8 | 4 | |
| | BOT- 533 | Departmental Elective I | 3:1:0 | 4 | |
| | BOT- 534 | Departmental Elective II | 3:1:0 | 4 | |
| | BOT-535 | Biodiversity and Sustainable Development (Open Elective for other Department's student) | 3:1:0 | 4 | |
| | SWAYAM - MOOC Courses | Open Elective Courses: Each student shall choose any one course paper from SWAYAM-MOOC platform online | As per SWAYAM Board | 4 | |
| IV | BOT- 541 | Molecular Biology | 3:1:0 | 4 | 24 |
| | BOT- 542 | Plant Biotechnology | 3:1:0 | 4 | |
| | BOT- 543 | Practical V | 0:0:4 | 2 | |
| | BOT- 544 | Departmental Elective III | 3:1:0 | 4 | |
| | BOT- 545 | Departmental Elective IV | 3:1:0 | 4 | |
| | BOT- 546 | Departmental Elective V: Dissertation | 0:0:12 | 6 | |
| | | | | Total Credit | 88 |