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| **PG Courses (M.Sc)** | | | | |
| **Sno** | **Course title** | **Course No** | **Credit Hours** | **Semester** |
|  | Soil physics | Soil 501 | (2+1) | **I** |
|  | Soil fertility and fertilizer use | Soil 502 | (2+1) | I |
|  | Soil chemistry | Soil 503 | (2+1) | I |
|  | Soil mineralogy, genesis and classification | Soil 504 | (2+1) | II |
|  | Soil erosion and conservation | Soil 505 | (2+1) | II |
|  | Soil Biology and Biochemistry | Soil 506 | (2+1) | II |
|  | Radioisotopes in soil and plant studies | Soil 507 | (1+1) | I |
|  | Soil, water and air pollution | Soil 508 | (2+1) | II |
|  | Remote sensing and GIS technique for soil and crop studies | Soil 509 | (2+1) | I |
|  | Analytical technique and instrumental methods in soil and plant analysis | Soil 510 | (0+2) | I |
|  | Management of problematic soils and water | Soil 511 | (1+1) | II |
|  | Land degradation and restoration | Soil 512 | (1+0) | I |
|  | Soil Survey and Land use Planning | Soil 513 | (2+0) | II |
|  | Introduction to nanotechnology | Soil 514 | (2+1) | II |
|  | Master’s Seminar | Soil 591 | (1+0) | I+II |
|  | Master’s Research | Soil 599 | (30) |  |

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| **PG Courses (Ph.D)** | | | | |
| **Sno** | **Course title** | **Course No** | **Credit Hours** | **Semester** |
|  | Recent trends in soil physics | Soil 601 | 2+0 | II |
|  | Modern concept in soil fertility | Soil 602\* | 2+0 | II |
|  | Physical chemistry of soil | Soil 603\* | 2+0 | II |
|  | Soil genesis and micromorphology | Soil 604\* | 2+0 | I |
|  | Bio-chemistry of soil organic matter | Soil 605 | 2+0 | I |
|  | Soil resource management | Soil 606 | 3+0 | I |
|  | Modelling of soil plant system | Soil 607 | 2+0 | II |
|  | Clay Mineralogy | Soil 608 | 2+1 | I |
|  | Recent trends in soil microbial biodiversity | Soil 609 | 2+1 | II |
|  | Doctoral seminar | Soil 691 | 1+0 | I+II |
|  | Doctoral seminar | Soil 692 | 1+0 | I+II |
|  | Doctoral Research | Soil 699 | 75 |  |

\* Indicates core courses which are compulsory for Ph.D Programme.