**PLANT BREEDING PROGRAMME**

**MASTER OF SCIENCE IN PLANT BREEDING**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Course Code** | **Course Title** | **Course Status** | **Credit Unit** | **Hours of Lecture** | **Hours of Practical** | **Total hours** |
| PPB 710 | Advance Statistics and Biometrics | C | 3 | 30 | 45 | 75 |
| PPB 711 | Principles of Cultivar Development | C | 3 | 30 | 45 | 75 |
| PPB 712 | Physiological genetics | C | 3 | 30 | 45 | 75 |
| PPB 713 | Advanced Plant Breeding | C | 3 | 30 | 45 | 75 |
| PPB 714 | Molecular Biology and Tissue culture | C | 3 | 30 | 45 | 75 |
| PPB 715 | Graduate Seminar | C | 1 | 30 | - | 30 |
| PPB 718 | Quantitative Genetics & Plant Breeding | C | 2 | 30 | - | 30 |
| PPB 719 | Bio-Policy, Safety and Bioethics | C | 2 | 30 | - | 30 |
| PPB 720 | Programme Planning and Management | C | 2 | 30 | - | 30 |
| PPB 721 | Crop Pest and Disease Management | C | 2 | 30 | - | 30 |
| PPB 722 | Environmental Impact Assessment | C | 2 | 30 | - | 30 |
| PPB 723 | Practical Plant Breeding | C | 2 | 30 | - | 30 |
| PPB 724 | Principles of Population, Evolutionary Biology & Plant Breeding | C | 2 | 30 | - | 30 |
| PPB 730 | Project/Dissertation | C | 7 | 105 |  | 105 |

**DOCTOR OF PHILOSOPHY IN PLANT BREEDING**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Course Code** | **Course Title and Description** | **Course Status** | **Credit Unit** | **Hours of Lecture** | **Hours of Practical** | **Total hours** |
| PPB 810 | Breeding for Resistance/Tolerance to Biotic and Abiotic Stress | C | 3 | 45 | - | 45 |
| PPB 811 | Special Topics | C | 3 | 45 | - | 45 |
| PPB 812 | Current Trends in Plant Breeding Research | C | 3 | 45 | - | 45 |
| PPB 813 | Advanced Experimental Design, Data Analysis and Interpretation | C | 3 | 45 | - | 45 |
| PPB 814 | Seminar | C | 3 | 45 | - | 45 |
| PPB 815 | Project | C | 6 | 270 | - | 270 |
|  | Total number of units |  | 21 |  |  |  |