COURSES-MASTER’S DEGREE PROGRAM OUTPUTS MATRİX IN THE AGRICULTURAL GENETİC ENGINEERING DEPARTMENT

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| Course Type | Course Code | Course Title |  | Credit |  | Program Outputs | | | | | | | | | | | | | | |
| FALL |  |  | Class | Practice | ECTS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Compulsory | TGM8001 | Plant Molecular Biology Techniques | 3 | 0 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Compulsory | TGM8003 | Advanced Plant Breeding | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Compulsory | FBE8001 | Scientific Research Techniques and Publication Ethics | 3 | 0 | 8 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 0 |
| Compulsory | TGM6001 | Special Topics | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 |
| Compulsory | TGM6003 | Thesis Research (Thesis Proposal) | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 5 |
| Compulsory | TGM6007 | Seminar | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 |
| Compulsory | TGM6005 | Thesis Research | 0 | 1 | 30 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 5 |
| Elective | TGM6101 | Genetically Modified Plants | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elective | TGM6103 | Molecular Genetics of Plant Nutrition | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 |
| Elective | TGM6105 | Cultivar Registration and Protection | 3 | 0 | 8 | 0 | 0 | 5 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 |
| Elective | TGM6107 | Genetic Resources and Plant Breeding | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elective | TGM6109 | Quantitative Genetics in Plant Breeding | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elective | TGM6111 | Molecular Markers in Plant Breeding | 3 | 0 | 8 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 4 | 0 |
| Elective | TGM6113 | Tissue Culture in Plant Breeding | 3 | 0 | 8 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| Elective | TGM6115 | Plant Molecular Physiology | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SPRING |  |  | |  |  |  | |  | | |  | |  | | | | | | |  |
| Zorunlu Ders | TGM8002 | [Experimental Techniques in Plant Breeding](http://bologna.nigde.edu.tr/Dersbilgisi/en/AGE7002) | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Zorunlu Ders | TGM8004 | Genomics | 3 | 0 | 8 | 4 | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 0 |
| Zorunlu Ders | TGM6002 | Special Topics | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 |
| Zorunlu Ders | TGM6004 | Thesis Research (Thesis Proposal) | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 5 |
| Zorunlu Ders | TGM6008 | Seminar | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 |
| Zorunlu Ders | TGM6006 | Thesis Research | 0 | 1 | 30 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 5 |
| Elective | TGM6102 | Laboratory Principles in Genetic Engineering | 3 | 0 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Elective | TGM6104 | Hybrid Breeding and Seed Production | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Elective | TGM6106 | Collection and Management of Genetic Resources | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elective | TGM6108 | Haploids in Plant Breeding | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Elective | TGM6110 | Pollination and Fertilization in Plant Breeding | 3 | 0 | 8 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elective | TGM6112 | [Functional Genomics in Plant Breeding](http://akts.nigde.edu.tr/ects/index.php?git=ders&derskodu=AGE5116) | 3 | 0 | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Elective | TGM6114 | Seed Technology and Industry | 3 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |