THE AGRICULTURAL GENETIC ENGINEERING DEPARTMENT COURSES - TURKISH MASTER’S DEGREE PROGRAM OUTPUTS MATRIX

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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 | | Bitki Moleküler Biyoloji Teknikleri | | 3 | | 0 | | 8 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| Compulsory | | TGM8003 | | İleri Bitki Islahı | | 3 | | 0 | | 8 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | 5 | |
| Compulsory | | FBE8001 | | Bilimsel Araştırma Teknikleri ve Yayın Etiği | | 3 | | 0 | | 8 | | 0 | | 0 | | 0 | | 0 | | 4 | | 0 | | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | | 0 | |
| Compulsory | | TGM6001 | | Özel Konular | | 5 | | 0 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | | 0 | |
| Compulsory | | TGM6003 | | Tez Çalışması (Tez Önerisi) | | 0 | | 1 | | 2 | | 0 | | 0 | | 0 | | 0 | | 5 | | 0 | | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | | 5 | |
| Compulsory | | TGM6007 | | Seminer | | 0 | | 2 | | 6 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | | 0 | |
| Compulsory | | TGM6005 | | Tez Çalışması | | 0 | | 1 | | 30 | | 0 | | 0 | | 0 | | 0 | | 5 | | 0 | | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | | 5 | |
| Elective | | TGM6101 | | Genetiği Değiştirilmiş Bitkiler | | 3 | | 0 | | 8 | | 5 | | 5 | | 5 | | 5 | | 5 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| Elective | | TGM6103 | | Bitki Besleme Moleküler Genetiği | | 3 | | 0 | | 8 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | | 0 | |
| Elective | | TGM6105 | | Çeşit Tescili ve Korunması | | 3 | | 0 | | 8 | | 0 | | 0 | | 5 | | 0 | | 0 | | 5 | | 5 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | | 0 | |
| Elective | | TGM6107 | | Gen Kaynakları ve Bitki Islahı | | 3 | | 0 | | 8 | | 5 | | 5 | | 5 | | 5 | | 5 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| Elective | | TGM6109 | | Bitki Islahında Kantitatif Genetik | | 3 | | 0 | | 8 | | 5 | | 5 | | 5 | | 5 | | 5 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| Elective | | TGM6111 | | Bitki Islahında Moleküler Markörler | | 3 | | 0 | | 8 | | 4 | | 0 | | 0 | | 4 | | 0 | | 0 | | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 4 | | 0 | |
| Elective | | TGM6113 | | Bitki Islahında Doku Kültürü | | 3 | | 0 | | 8 | | 0 | | 4 | | 0 | | 0 | | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | | 0 | |
| Elective | | TGM6115 | | Bitki Moleküler Fizyolojisi | | 3 | | 0 | | 8 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| Elective | | TGM6117 | | Kromozom ve Genom Yapısı | | 3 | | 0 | | 8 | | 5 | | 3 | | 0 | | 0 | | 0 | | 0 | | 0 | 3 | 1 | 1 | 2 | 2 | 4 | 0 | | 3 | |
| **SPRING** | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | |  | |
| Compulsory | TGM8002 | | Bitki Islahında Deneme Tekniği | | 3 | | 0 | | 8 | | 5 | | 5 | | 5 | | 5 | | 5 | | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Compulsory | TGM8004 | | Genomik | | 3 | | 0 | | 8 | | 4 | | 4 | | 0 | | 4 | | 0 | | 0 | | 0 | | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 0 | |
| Elective | TGM6002 | | Özel Konular | | 5 | | 0 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | |
| Elective | TGM6004 | | Tez Çalışması (Tez Önerisi) | | 0 | | 1 | | 2 | | 0 | | 0 | | 0 | | 0 | | 5 | | 0 | | 0 | | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 5 | |

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| Elective | TGM6008 | Seminer | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 |
| Elective | TGM6006 | Tez Çalışması | 0 | 1 | 30 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 0 | 5 |
| Elective | TGM6102 | Genetik Mühendisliğinde Laboratuvar İlkeleri | 3 | 0 | 8 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Elective | TGM6104 | [Hibrit Islahı ve Tohumluk Üretimi](http://bologna.nigde.edu.tr/Dersbilgisi/tr/TGM5106) | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Elective | TGM6106 | Gen Kaynaklarının Toplanması ve Muhafazası | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elective | TGM6108 | Bitki Islahında Haploidi | 3 | 0 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Elective | TGM6110 | Bitki Islahında Tozlanma ve Döllenme | 3 | 0 | 8 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elective | TGM6112 | Bitki Islahında İşlevsel Genomik | 3 | 0 | 8 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Elective | TGM6114 | Tohum Teknolojisi ve Endüstrisi | 3 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| Elective | TGM6116 | Bitki Moleküler Sitogenetiği | 3 | 0 | 8 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 2 | 3 | 3 | 4 | 0 | 4 |