2024-2025 Academic Year
List of Courses Offered in Foreign Language
2024-2025 Akademik Yılı
Yabancı Dilde Açılacak Dersler Listesi

Institute of Natural and Applied Sciences
Fen Bilimleri Enstitüsü

	Department *Bölüm*	**Course Code** *Ders Kodu*	**ECTS** *AKTS*	**Course Title** *Dersin Adı*	**Semester** *Dönem*	**Course Content** *Dersin İçeriği*	**Academic Staff** *Dersi Veren Öğretim Elemanı*	**Online Available** *Çevrimiçi*
1	Tarla Bitkileri *Field Crops*	TBB7021	8	Doğal Aromatik Bitkilerin Tarımı *Cultivation of Natural Aromatic Plants*	Güz *Fall*	In this course, importance and MAPs, plant diversity of Turkish flora, propagation and cultivation of natural aromatic plants, propagation, harvest and post-harvest applications are taught.	Prof. Dr. Kenan TURGUT	Yes / Evet
2	Tarla Bitkileri *Field Crops*	TBB5022	6	Uçucu Yağ Bitkileri *Esential Oil Plants*	Bahar *Spring*	Mediterranean flora is very rich and diverse in terms of essential oil containing plants. Essential oils are used in many sectors such as aromatherapy, cosmetics, perfumery, food, agriculture and veterinary. In this course, importance of essential oils and essential oil plants are taught.	Prof. Dr. Kenan TURGUT	Yes / Evet
3	Tarla Bitkileri *Field Crops*	TBB5031	6	Bitki Islahında Kullanılan Doku Kültürü Yöntemleri *Tissue Culture Methods Used in Plant Breeding*	Güz *Fall*	Nowadays, in vitro techniques are used broadly for plant breeding studies. Within the context of this course; importance and history of plant tissue cultures, organization of tissue culture labs, sterilisation techniques, tissue culture media, various tissue culture techniques and utilisation of these techniques and utilisation of in vitro techniques in plant breeding studies are explained.	Prof. Dr. Kenan TURGUT	Yes / Evet
4	Tarla Bitkileri *Field Crops*	TBB5046	8	İLERİ BİTKİ FİZYOLOJİSİ *Advance Plant Physiology*	Bahar *Spring*	Physiological events and factors related with plant growth and development, advances in plant nutrients, physiology of seed and germination, photosynthesis and pigments, electron transfer system, photo-phosphorylation and oxidative-phosphorylation, chemiosmosis, plant growth regulators and hormones.	Prof. Dr. Mehmet KARACA	Classroom
5	Tarla Bitkileri *Field Crops*	TBB5069	6	*Advance Genetic Engineering*	Bahar *Spring*	Methods of gene transfer and detection, identify the fundamental differences between genetically engineered crops and non-genetically engineered crops (CRISPR), the limitations to traditional breeding that are overcome by genetic engineering, examples of obtaining marketable transgenic crop lines.	Prof. Dr. Mehmet KARACA	Classroom