



**2025-2026 Academic Year**  
**List of Courses Offered in Foreign Language**  
**2025-2026 Akademik Yılı**  
**Yabancı Dilde Açılacak Dersler Listesi**

**Faculty of Agriculture**  
**Ziraat Fakültesi**

	<b>Department</b> <i>Bölüm</i>	<b>Course Code</b> <i>Ders Kodu</i>	<b>ECTS</b> <i>AKTS</i>	<b>Course Title</b> <i>Dersin Adı</i>	<b>Semester</b> <i>Dönem</i>	<b>Course Content</b> <i>Dersin İçeriği</i>	<b>Academic Staff</b> <i>Dersi Veren Öğretim Elemanı</i>	<b>Online Available</b> <i>Çevrimiçi</i>
1	Soil Science and Plant Nutrition	TBL303	3	Land Degradation	Fall/Spring 1 Academic Year	Human impact on environment, factors leading to land degradation, biological, chemical and physical aspects of soil degradation, soil erosion, formation of erosion, impact of erosion on land degradation, cultural and mechanical measure to prevent erosion	Assoc. Prof. Zeki Alagöz	No
2	Soil Science and Plant Nutrition	TBL204	3	Soil Science	Fall/Spring 1 Academic Year	History of soil science, mineral constituents and major mineral materials, formation and transformation processes, mineral contents of soils, organic constituents, major organic compounds, soil particle size, texture, soil structure formation and types, soil air, soil moisture, soil density, soil temperature, color, soil organisms and biological processes	Assoc. Prof. Zeki Alagöz	No
3	Soil Science and Plant Nutrition	TBL306	3	Soil Reclamation	Fall/Spring 1 Academic Year	Physical, chemical and biological aspects of soil degradation, causes of salt accumulation in soil, causes of soil sodicity, reclamation of saline and sodic soils, leaching requirement, compounds used in reclamation of soils, plant growth in acid and alkaline soils, liming, phytoremediation, bioremediation	Assoc. Prof. Zeki Alagöz	No
4	Soil Science and Plant Nutrition	TBL406	3	Soil-Plant-Water Relationships	Fall/Spring 1 Academic Year	Physical properties of soil and soil water, soil-water relations, surface tension and capillarity, soil water energy concepts, classification of soil water, soil water content and measuring soil water potentials, principals of water movement in soil, plant-water relations, soil-plant relations	Assoc. Prof. Zeki Alagöz	No
5	Soil Science and Plant Nutrition	TBL405	5	Soil Biology and Biochemistry	Fall/Spring 1 Academic Year	History and study areas of soil science, biological properties of soil, relations between biotic and abiotic factors, relations among soil organisms, classification of soil organisms, their nutrient and energy requirements, microbial ecology, cell metabolism, nutrient cycles soil organisms are involved, the potential for managing microorganisms and their processes	Assoc. Prof. İlker Uz	No
6	Soil Science and Plant Nutrition	TBL203	3	Plant Physiology	Fall/Spring 1 Academic Year	Definition of physiology, structure of plant cell, structure and functions of enzymes, uptake of water, plant nutrients, their transportations and functions, photosynthesis, carbohydrates, respiration, structure and phytohormones and their functions	Asst. Prof. İnci Tolay	No