



2023-2024 Academic Year
List of Courses Offered in Foreign Language

Faculty of Agriculture
Ziraat Fakültesi

	Department <i>Bölüm</i>	Course Code <i>Ders Kodu</i>	ECTS <i>AKTS</i>	Course Title <i>Dersin Adı</i>	Semester <i>Dönem</i>	Course Content <i>Dersin İçeriği</i>	Academic Staff <i>Dersi Veren Öğretim Elemanı</i>	Online Available <i>Çevrimiçi</i>
1	Toprak Bilimi ve Bitki Besleme <i>Soil Science and Plant Nutrition</i>	TBL381	3 (2+0)	Land Degradation	Güz / Bahar <i>Winter/ Spring</i>	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. Dr. Zeki ALAGÖZ zalagoz@akdeniz.edu.tr Dahili: 2444	X
2	Toprak Bilimi ve Bitki Besleme <i>Soil Science and Plant Nutrition</i>	TBL281	3 (2+0)	Soil Science	Güz / Bahar <i>Winter/ Spring</i>	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. Dr. Zeki ALAGÖZ zalagoz@akdeniz.edu.tr Dahili: 2444	X
3	Toprak Bilimi ve Bitki Besleme <i>Soil Science and Plant Nutrition</i>	TBL382	3 (2+0)	Soil Reclamation	Güz / Bahar <i>Winter/ Spring</i>	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. Dr. Zeki ALAGÖZ zalagoz@akdeniz.edu.tr Dahili: 2444	X
4	Toprak Bilimi ve Bitki Besleme <i>Soil Science and Plant Nutrition</i>	TBL481	3 (2+0)	Soil-Plant-Water Relationships	Güz / Bahar <i>Winter/ Spring</i>	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. Dr. Zeki ALAGÖZ zalagoz@akdeniz.edu.tr Dahili: 2444	X
5	Toprak Bilimi ve Bitki Besleme <i>Soil Science and Plant Nutrition</i>	TBL482	5 (2+2)	Soil Biology and Biochemistry	Güz / Bahar <i>Winter/ Spring</i>	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. Dr. İlker UZ ilkeruz@akdeniz.edu.tr Dahili: 6549	X
6	Toprak Bilimi ve Bitki Besleme <i>Soil Science and Plant Nutrition</i>	TBL282	3 (2+0)	Plant Physiology	Güz / Bahar <i>Winter/ Spring</i>	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	Assoc. Prof. Dr. İlker UZ ilkeruz@akdeniz.edu.tr Dahili: 6549	X