



2026-2027 Academic Year
List of Courses Offered in Foreign Language
2026-2027 Akademik Yılı
Yabancı Dilde Açılacak Dersler Listesi

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	Agricultural Structures and Irrigation	TYS101	3	Meteorology	Winter and Spring	Introduction, the importance, development and branches of meteorology, composition and structure of the atmosphere, light, sunshine, temperature, evaporation, humidity, condensation, clouds and cloud cover, precipitation, air pressure and winds, climatological and synoptic observations, evaluation of climatological data, general climate types, climate change, frost.	Prof. Dr. Ahmet KURUNÇ	No
2	Agricultural Structures and Irrigation	TYS306	5	Irrigation Water Quality and Salinity	Winter and Spring	Introduction; Water Composition and Salinity Measurement; Plant Response to Salinity and Crop Tolerance; Sodicty and Water Infiltration; Assessing Water Quality and Soil Sampling; Soil Salinity Patterns and Irrigation Methods; Managing Salinity and Reclaiming Soil; Subsurface Drainage.	Prof. Dr. Ahmet KURUNÇ	No
3	Agricultural Structures and Irrigation	TYS328	3	Agriculture and Environment	Winter and Spring	EU Common Agricultural Policy and Environment; Agriculture and pollution; Nitrates and nitrogen loss; Phosphorus and pollution; Soil erosion; Organic wastes; Gaseous emissions; Pesticides; Genetic modification; Policy strategies for reducing pollution.	Prof. Dr. Ahmet KURUNÇ	No
4	Agricultural Structures and Irrigation	TYS5021	8	Salinity Managemet for Irrigation	Winter and Spring	Sustainability of irrigation; salinity and its causes; effect on plants and soil; irrigation water, salinity control and management; identification and prevention of salinity problems; social and economic aspects of salinity management	Prof. Dr. Ahmet KURUNÇ	No
5	Agricultural Structures and Irrigation	TYS5026	8	Use of Marginal Quality Waters in Plant Production	Winter and Spring	Definition and general characteristics of marginal waters; quality principles; principles of use, ecological and environmental impacts; economic, institutional and legal aspects; problems that may arise; good management principles and practices	Prof. Dr. Ahmet KURUNÇ	No
6	Agricultural Structures and Irrigation	TYS7013	10	Modeling of plant yield response to water and salinity stresses	Winter and Spring	Plant production and stress factors; water shortage as plant stress factor; model parameters for water shortage; salinity as plant stress factor, model parameters for salinity stress; water- and salinity-yield response factors; modelling procedure	Prof. Dr. Ahmet KURUNÇ	No
7	Agricultural Structures and Irrigation	TYS7010	10	Problematic Soils in Agriculture and Land Reclamation	Winter and Spring	Problematic soils and their properties; formation; determination; leaching requirements; amendment agents, land reclamation methods, necessary measures to be taken after reclamation	Prof. Dr. Ahmet KURUNÇ	No
8	Agricultural Structures and Irrigation	TYS5026	8	Use of Marginal Quality Waters in Plant Production	Winter and Spring	Definition and general characteristics of marginal waters; quality principles; principles of use, ecological and environmental impacts; economic, institutional and legal aspects; problems that may arise; good management principles and practices	Prof. Dr. Ahmet KURUNÇ	No
9	Agricultural Structures and Irrigation	TYS303	6	Hydrology	Winter and Spring	Hydrological cycle; Climatic factors effecting hydrology; precipitation; Streamflow; Evaporation and transpiration; Groundwater hydrology; Statistical methods used in hydrology.	Prof. Dr. Dursun BÜYÜKTAŞ	No
10	Agricultural Structures and Irrigation	TYS304	6	Basic Principles of Irrigation Engineering	Winter and Spring	Soil-water-plant relations; Evapotranspiraton; Irrigation water requirements; Irrigation systems; Irrigation methods.	Prof. Dr. Dursun BÜYÜKTAŞ	No