2025-2026 Academic Year
List of Courses Offered in Foreign Language
2025-2026 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	Landscape Architecture	PMB501	6	Planting Design	Fall	Definition and steps of planting design, planting design in the process of landscape design, landscape restoration with plants, planting design in historical areas, xeroscape, planting solutions for handicapped persons, interaction between the buildings and plants, the use of special group of plants such as wall plants, water plants, ferns, bulbs, roses, ecologically sustainable planting.	Prof. Dr. Meryem Atik meryematik@akdeniz.edu.tr 242 2276249 (4866)	No
2	Landscape Architecture	PMB503	6	Landscape Planning I	Fall	The concept of planning and physical plans, type of plans, planning of landscapes, importance of landscape planning for sustainable development and the conservation of species and habitats, steps of landscape planning, methods used in landscape planning, data collection, evaluation and processing, participation of stakeholders in landscape planning.	Prof. Dr. Veli Ortaçeşme ortacesme@akdeniz.edu.tr 242 2276249 (4866)	No
3	Landscape Architecture	PMB505	6	Remote Sensing and GIS in Landscape Planning	Fall	The course introduces the foundation concepts of GIS, RS and cartography with lectures and practical classes which aim to explore the underlying principles of the subject. With more advanced digital image processing, spatial analysis will be taught by lectures and practical classes. The course also provides specialized training in using spatial science to make critical decisions about physical and built environment by specific software such as ArcGIS and Erdas Imagine. Land mapping, satellite and aerial photographic image processing, remote sensing, land and resource management and spatial data analysis are taught in the course.	Assoc. Prof. Dr. Ahmet Benliay benliay@gmail.com 242 2276249 (4878)	No
4	Landscape Architecture	PMB507	4	Artificial Intelligence in Landscape Design	Fall	Artificial intelligence (AI) in landscape architecture can be used in a variety of ways, and this technology contributes to a wide range of areas, from landscape design to maintenance and management processes. It is aimed for students to have both theoretical knowledge and practical skills by covering topics such as data mining, image recognition and image creation to examine the use of artificial intelligence in landscape architecture. For this purpose, in addition to evaluating online resources, articles and books that discuss artificial intelligence, data mining, image recognition and image creation in detail, experts or academics working in this field will be invited to lectures and real-world applications and industry trends will be conveyed to the students.	Assoc. Prof. Dr. Ahmet Benliay benliay@gmail.com 242 2276249 (4878)	No
5	Landscape Architecture	PMB509	6	Green Infrastructure Planning and Design	Fall	Concept of green infrastructure; history of green infrastructure; green infrastructure in the process of urbanization and global warming; green infrastructure and climatic comfort; the relationship between gray infrastructure and green infrastructure; urban ecology and ecosystem services; green infrastructure as a planning approach; green infrastructure elements; connectivity, patch-corridor-matrix relationship in green infrastructure planning; green infrastructure design; roof garden design, vertical garden design; green parking lot design; bioswale design, green infrastructure application examples from around the world.	Prof. Dr. Veli Ortaçeşme ortacesme@akdeniz.edu.tr 242 2276249 (4866)	No
6	Landscape Architecture	PMB511	4	Graduation Project I	Fall	The course includes the selection and investigation of a certain subject in landscape architecture by students under the supervision of a teaching staff. The findings are presented in the format of an undergraduate thesis.	Prof. Dr. Veli Ortaçeşme ortacesme@akdeniz.edu.tr 242 2276249 (4866)	No

7	Landscape Architecture	PMB502	4	History of Landscape Art	Spring	Landscape and its relation with art, historical progress of landscape-human relations, Egyptian gardens, Mesopotamian (Sumerian, Babylon and Assyrian) gardens, Persian gardens, Greg and Roman gardens, Monastery and chateau gardens in the Medieval Europe, Islamic gardens, Chinese and Japanese gardens, Renaissance and Baroque gardens, French Great Stile gardens, English Naturalistic gardens, Turkish gardens, modern garden and landscape art.	Prof. Dr. Veli Ortaçeşme ortacesme@akdeniz.edu.tr 242 2276249 (4866)	No
8	Landscape Architecture	PMB504	4	Plant and Culture	Spring	Within the scope of the course, students will be able to analyse the interaction between plant and landscape through the mutual relations between plant and culture, plants that transcend cultural geographies with continental discoveries, symbolic plants specific to cultures and cultural geographies, prominent and inspiring plants in art history and branches of art, world history and economy. It is aimed to provide students with the competence to evaluate the leading plant species from the perspective of the landscape architecture profession.	Prof. Dr. Meryem Atik meryematik@akdeniz.edu.tr 242 2276249 (4866)	No
9	Landscape Architecture	PMB506	6	Natural Vegetation	Spring	Natural factors affecting the formation of natural plant cover, phytogeographical structure of Turkey as well as nine natural vegetation regions with their typical plant species and level of degradation, main causes of vegetation change.	Prof. Dr. Meryem Atik meryematik@akdeniz.edu.tr 242 2276249 (4866)	No
10	Landscape Architecture	PMB508	6	Landscape Engineering I	Spring	Understanding land form, contour interpretation, contour manipulation, grading around buildings and structures, grading for roads and ways, grading for drainage, calculating grades, preparing grading plan, calculating cut and fill, circulation and drainage design.	Assoc. Prof. Dr. Ahmet Benliay benliay@gmail.com 242 2276249 (4878)	No
11	Landscape Architecture	PMB510	6	Landscape Planning II	Spring	Conceptual definition of landscape, importance and necessity for landscape planning in regard to environmental and nature protection, determination of landscape factors in landscape planning (geology, topography and slope, water and water bodies, soil conditions, vegetation, wildlife), basic approaches and land use in planning, area and issue specific planning; nature conservation, urban and rural landscape planning, participation in planning; experts, sectors, institutions and public participation, questionnaire work in public participation, landscape function and landscape potential, different evaluation methods used in landscape planning.	Prof. Dr. Meryem Atik meryematik@akdeniz.edu.tr 242 2276249 (4866)	No
12	Landscape Architecture	PMB512	4	Graduation Project II	Spring	The course includes the selection and investigation of a certain subject in landscape architecture by students under the supervision of a teaching staff. The findings are presented in the format of an undergraduate thesis	Prof. Dr. Veli Ortaçeşme ortacesme@akdeniz.edu.tr 242 2276249 (4866)	No