



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

**Faculty of Architecture**  
**Mimarlık 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	Peyzaj Mimarlığı <i>Landscape Architecture</i>	PMB501	6	Planting Design	Winter	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	No
2	Peyzaj Mimarlığı <i>Landscape Architecture</i>	PMB503	6	Landscape Planning I	Winter	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	No
3	Peyzaj Mimarlığı <i>Landscape Architecture</i>	PMB505	4	Remote Sensing and GIS in Landscape Architecture	Winter	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 BENİAY	No
4	Peyzaj Mimarlığı <i>Landscape Architecture</i>	PMB507	4	Artificial Intelligence in Landscape Design	Winter	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 BENİAY	No
5	Peyzaj Mimarlığı <i>Landscape Architecture</i>	PMB509	6	Green Infrastructure Planning and Design	Winter	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 grey 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	No
6	Peyzaj Mimarlığı <i>Landscape Architecture</i>	PMB511	4	Graduation Project I	Winter	The course includes the selection and investigation of a certain subject in landscape architecture by the enrolled students. The findings are presented in the format of an undergraduate thesis.	Prof.Dr. Veli ORTAÇEŞME	No
7	Peyzaj Mimarlığı <i>Landscape Architecture</i>	PMB502	4	History of Landscape Art	Spring	Landscape and its relation with art, historical progress of landscape-human relations, Egyptian gardens, Mesopotamian (Sumerian, Babylonian and Assyrian) gardens, Persian gardens, Hellenistic and Roman gardens, Monastery and chateau gardens in the Medieval Europe, Islamic gardens, Chinese and Japanese gardens, Renaissance and Baroque gardens, French Great Style gardens, English Naturalistic gardens, Turkish gardens, modern garden and landscape art.	Prof.Dr. Veli ORTAÇEŞME	No
8	Peyzaj Mimarlığı <i>Landscape Architecture</i>	PMB504	4	Plants 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	No
9	Peyzaj Mimarlığı <i>Landscape Architecture</i>	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	No

10	Peyzaj Mimarlığı <i>Landscape Architecture</i>	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 BENİAY	No
11	Peyzaj Mimarlığı <i>Landscape Architecture</i>	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 ATİK	No
12	Peyzaj Mimarlığı <i>Landscape Architecture</i>	PMB512	4	Graduation Project II	Spring	The course includes the selection and investigation of a certain subject in landscape architecture by the enrolled students. The findings are presented in the format of an undergraduate thesis.	Prof.Dr. Veli ORTAÇEŞME	No