

PEM 411E / Landscape Design IV

2019-2020 spring semester

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COURSE DESCRIPTION AND PURPOSE

Developing landscape and urban design process in the force of new planning decisions about improvement of urban and natural areas with problems. Using new techniques and technologies to solve those problems, and developing methods to protect the eco-system. Destroyed forest areas, abandoned quarries, coastal landfills, design of urban open spaces related to transportation system, a new evaluation of existing urban pattern, design in the historical urban patterns

The landscape projects which is generated during the studio process are defined the basic framework of the course. After introducing the project site to the students, they will prepare research presentations about the main theme of the course. All presentations will be discussed in the class in the following weeks.

The majority of the course process includes studio work on the landscape restoration and land reclamation projects which have different design problems. Every student must generate their own design projects from the analysis and planning of the site to the partial design details both technical and artistic ways of drawing. The participation of the studio process and final project outputs will be evaluated together for the final grade.

STUDIO: ENERGY - ITU MASLAK CAMPUS

Landscape Design Studio IV involves a combination of renewable energy solutions as energy production, energy saving, resource recycling for an important educational area, Maslak Campus of ITU. The campus has "Green Campus" philosophy and a development in GreenMetric ranking evaluating in terms of environmental sensitivity.

The studio aims to provide guidelines to identify the possible role of renewable energy systems in the landscape and habitats. Expectation from students is, using landscape itself as an energy source for today and future scenarios by investigating new strategies.

Evaluation

MIDTERM			FINAL
40%			60%
1 st jury	2 nd jury	3 rd jury	
30%	30%	40%	

*Students who fail to meet the specified mid-term requirements and fall below the midterm achievement score are considered to fail to fulfill the final exam requirements. In this case final grade is assigned as "VF".

WEEKLY SCHEDULE

Week	Date	Studio Work	
1	10.02	Introduction of the studio and site visiting	SITE VISIT
	13.02	Urban reading urban analysis	
2	17.03	Student presentations and discussion	
	20.03	Discussion on the general planning decisions / defining the personal design concepts	
3	24.03	1/5000 Urban Analyses + Concept Project	Environmental approaches, urban analysis and system approach
	27.03	1/5000 Urban Analyses + Concept Project	
4	02.03	1/2000 Landscape Design Project	Project site in urban system, Relationship between project site and environment, Transportation, natural structure, site potentials, diagram and sketches of design approaches
	05.03	1/2000 Landscape Design Project	
5	09.03	1st Jury	
	12.03	1/1000 Landscape Design Project	
6	16.03	1/1000 Landscape Design Project	Concept project, Green system, Pe- destrian system, Environmental functions, Section, sketches and 3D models landscape characteristic
	19.03	1/1000 Landscape Design Project	
7	23.03	1/1000 Landscape Design Project	
	26.03	2st Jury	
	30.03	BREAK	
	02.04		
8	06.04	Finalize the upper scale and concept studies	
	09.04	1/500 Landscape Design Project	
9	13.04	1/500 Landscape Design Project	Structural Plan with grading + sections, sketches and 3D models
	16.04	1/500 Landscape Design Project	
10	20.04	1/500 Landscape Design Project	Plantation Plan [Plant species, quantities and specifications]
	23.04	1/500 Landscape Design Project	
11	27.04	3rd Jury	
	30.04	1/200 Structural and plantation plans	
12	04.05	1/200 Structural and plantation plans	structural plan with detailed sections, sketches and 3D diagrams
	07.05	1/200 Structural and plantation plans	
13	11.05	1/200 Structural and plantation plans	Plantation Plan [Plant species, quantities and specifications]
	14.05	1/100-50-20 details	
14	18.05	1/100-50-20 details	1/100-50-20 details of selected area with sections, sketches
	21.05	FINAL DISCUSSION	