



➤ Introduction:

To preserve the natural environment and meet environmental needs of the people, environmental planning should be the basis of all decisions related to land development. Make decisions about whether what is located where and how, on a piece of land, should be interconnected and responsive to conditions of the ground. So planning and architectural design is carried out by understanding the status quo and estimate future conditions.

➤ Aims

- Planning and design of land in such a way that the natural environment is preserved and environmental needs of users are met.
- Considering environmental sustainability and sustainable development in architectural design
- Be able Land planning based on knowledge of Status quo of physical, natural and social environment, and the requirements of users.
- Considering favorable environmental conditions of human life
- Be able to design of ground and future considering

➤ Teaching method:

- Theoretical topics presentation in the fields of content
- Discussions related to lessons
- Seminar presentations and related projects by students and weekly corrections
- Doing practical project and adjust the conditions of the ground by students

This lesson includes theoretical and practical sections, that presents in 16 sessions in 16 weeks and each session includes 110 minutes. Half part of each session will be dedicated to teach theoretical and a half will be dedicated to practical project.

➤ Assessment Method :

- Final test assessment contains 10 score
- Project assessment and seminars, contains 10 score



➤ **Session schedule**

DESCRIPTION OF THE TOPICS		SESSION
<ul style="list-style-type: none"> • Students introducing with lessons and how to teach • Explanation and introduction to general topics • classifying of students to determine projects and seminars and have explanation on how to do them • Description related topics 		1
<ul style="list-style-type: none"> • Sustainable Design • The concept of sustainability and sustainable development • Environmental sustainability and architects 		2
Introduction to Green Architecture - Ecotect Architecture - Bionic architecture		3
<ul style="list-style-type: none"> • Understanding texture and build of the city • Types of texture of the city and damaged area • Necessary criterions for determining the main elements of the city 		4
Land planning	Understanding the physical environmental parameters	5
	Understanding the nature environmental parameters	6
	Understanding the social environmental parameters	7
	Understanding parameters of the requirements of users	8
Environmental Landscape the result of human action on the natural environment Cultural vision		9
Considering psychological needs of people		10
Capacity of land	Criterion of capacity of land	11
	Land management and landscape Understanding adaptation land and users	12
Ground planning	Land Development Strategies	13
	Guidelines for Conservation of Nature	14
SWOT		15
AHP		16
Final exam		17

➤ **Access to the teacher:**

- Contact Number: 09123867284
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- By social networks such as telegram

Correction and consultation and development of issues and exchange views and conclusions on all sessions is necessary.

There is the possibility of changes in all of the above sectors in order to improve the overall lessons.