

## NATURAL SYSTEMS & DESIGN

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### Content

This course introduces students to the concept of design with natural systems. The main goal of the course is to develop an understanding of natural parameters as a source for design. Through the series of class discussions the course aims to investigate the ability of design to respond natural systems and to reveal different approaches and methods of design that refers to nature by looking contemporary praxis

### Evaluation

Mid-term Requirement : 1 Mid-term exam, 1 Assignment, Attendance (%80)  
Midterm exam %25  
1 Assignment % 25  
Mid-term passmark 40/100  
Final exam%50

\*Students who fail to meet the specified mid-term requirements and fall below the midterm achievement score are considered not fulfill the final exam requirements. In this case final grade is assigned as "VF".

### Assignment

\*\* Assignment: Poster presentation. Critical review of contemporary landscape design cases that reflect different design approaches as a respond to natural phenomena.

### Schedule

Week	Date	Topics
1	11.02	The Interface / Human. Nature. Culture
2	18.02	On the Nature Vol 1./ Disucssion about Visual Records
3	25.02	On the Nature Vol 2. / Agents of Landscape
4	03.03	Patterns & Processes
5	10.03	Land . Morphologies
6	17.03	Water. Morphologies. Design in the Terrain of Water
7	24.03	//// MID-TERM EXAM
8	31.03	SPRING BREAK
9	07.04	Wind / Waste
10	14.04	Lexicon of Natural Systems
11	28.04	Learning from nature / Systems Theory
12	05.05	Artificial Nature / Analogies
13	12.05	The critics - PIN-UP
14	19.05	The critics - PIN-UP

### Reference List

Allen, S. and McQuade, M. 2011. Landform Building  
Beck, T., 2013. Principles of Ecological Design  
Bell, S. 1999. landscape pattern, process and perception.  
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Corner, J., 1999. Recovering Landscape  
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Mathur, A., da Cucha, D. 2014. Design in the terrain of water  
McHarg, I.,2008. Design with nature  
Motloch, J.L., 1990. Introduction to Landscape Architecture  
Nagel, R., 2004. Encyclopedia of Landforms and other geological features  
Reed.C, Lister.N.M., 2014. Projective Ecologies  
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