

## **ARCH 433 Building Programming**

**2016-2017 Spring**

**Level: Undergraduate**

**Assist. Prof. Dr. Timuçin HARPUTLUGİL**

### **Course Description:**

The course covers comprehensive architectural pre-design. Basic information regarding to the planning that will be created in terms of spatial dimensions and qualities, concepts of spatial organization and programming, common features of the spatial organizations, the factors that determine the spatial organisation needs, spatial organisation process, elasticity in the programming, decision fields in the need programming, issues in the need programming and their solutions.

### **Course Objectives:**

This course is built around analysis of building process; to inform on building programming covering spatial dimensions and qualities, to categorize and discuss different approaches for programming and how values, priorities and concerns of stakeholders of built environment guide programmatic decisions.

### **Teaching Policy:**

3 hours of lecturing per week. The course consists of presentations based on theoretical knowledge, discussions, and a case study to be analyzed. The content of the case study will be announced at the beginning of the semester.

### **Course Outline:**

<b>Course Outline</b>	
<b>Week</b>	<b>Topic(s)</b>
<b>1</b>	<b>Introduction, building programming discipline's definition and content</b>
<b>2</b>	<b>Building Process / Concepts of spatial organization and programming</b>

3	Stakeholders in Building Process / Decision fields in the building programming
4	Spatial organization process
5	Analyzing of Maslow's Pyramid / Transformation over time of the building programming discipline /
6	Building programming-design relationships out of opinions of Cherry and Hershberger
7	Building programming-design relationships out of opinions of Preiser and Duerk
8	Building programming-design relationships out of opinions of Pena and Sanoff
9	Determination of the case study topic / Case study (Term Work)
10	Case study / discussion
11	Case study / discussion
12	Case study / discussion
13	Case study / discussion
14	Case study / discussion

### **Grading Policy:**

<b>Grading Policy</b>								
Assessment Tool	Quantity	Percentage	Assessment Tool	Quantity	Percentage	Assessment Tool	Quantity	Percentage
Homework	0	0%	Case Study	1	30%	Attendance	14	0%
Quiz(es)	0	0%	Lab Work	0	0%	Field Study	0	0%
Midterm Exam	1	40%	Classroom Participation	42	0%	Project	0	0%
Term Paper	0	0%	Oral Presentation	1	10%	Final Exam	1	20%

## References:

Reference Books				
Author(s)	Title	Publisher	Publication Year	ISBN
Onat, E.	<u>Mekânsal Organizasyonlarda İhtiyaç Programlaması</u>	Teknik Kitabevi, Ankara	1990	
Hershberger, R	<u>Architectural Programming &amp; Predesign Manager</u>	McGraw-Hill Professional Publishing, New York	1999	978 0071347495
Cherry, E.,	<u>Programming for Design: From Theory to Practice, New York</u>	John Wiley&Sons Inc.,	1998	978 0471196457
Duerk, D.,P.	<u>Architectural Programming: InformationManagement for Design,</u>	John Wiley&Sons Inc., 1st edition, New York,	1993	978 0471284680
Pena, W., Parshall, S., Kelly, K.,	<u>Problem Seeking, An ArchitecturalProgramming Primer</u>	AIA Press , USA,	1977	978 0471126201
Sanoff, H.,	Methods of Architectural Programming	Dowden, Hutchinson and Ross, Inc., USA	1977	
Preiser, W.F.E.,	Professional Practice In Facility Programming,	Van Nostrand Reinhold Company, New York, USA,	1993	978 0442009366