TOROS ÜNİVERSİTESİ

Faculty Of Fıne Arts, Desıgn And Archıtecture
Archıtecture

Course Information

CONSTRUCTION I					
Code	**Semester**	**Theoretical**	**Practice**	**National Credit**	**ECTS Credit**
		Hour / Week			
ARC233	Fall	3	0	3	3

Prerequisites and co-requisites	NONE
Language of instruction	Turkish
Type	Required
Level of Course	Bachelor's
Lecturer	Assist. Prof. Ayşe MANAV, Instr. Meltem AKYÜREK
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise (internship)	None
Objectives of the Course	The students will get the knowledge about the Building-environment relations, the buildings performances, the decisions of structural system of designed building, doing two and three dimensional models for developing the structural system of their designed buildings.
Contents of the Course	It contains different constructional methods for building based to the main structural systems. In that concept, all the elements that formed the interior space such as the wall, roof, stairs, floor systems are analyzed and interpreted. The course contains the various different structural behaviours of elements and their systems and their technical terminology too.

Learning Outcomes of Course

#	Learning Outcomes
1	To have kowledge about Building- Environment- Users relations, the building performance expected.
2	Structural systems and infrastructural systems, to know the problems about them and to analyse the solutions.
3	To learn about Traditional Construction Systems & Contemporary Construction Systems and to learn to convey these to prepared projects.
4	To learn the terminology used in the architecture.

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Construction Site (Building and Environment, Building Ground, Landscaping, Building Pit, Application of Structure)	Lecture, discussion
2	Foundations	Lecture, discussion
3	Drawing of Single Foundation Plans and Sections	Lecture, discussion, drawing and homework
4	Drawing Continuous Foundation Plans and Sections in One Direction and Double Direction	Lecture, discussion, drawing and homework
5	Walls	Lecture, discussion
6	Slabs	Lecture, discussion
7	Drawing of Plaque Plans and Sections	Lecture, discussion, drawing and homework
8	Drawing of Asmolen Floor Plans and Sections	Lecture, discussion, drawing and

		homework
9	Mid-term exam	Written and drawing exam
10	Drawing of Beams and Slabs	Lecture, discussion, drawing and homework
11	Drawing of Beams and Slabs	Lecture, discussion, drawing and homework
12	Windows	Lecture, discussion
13	Doors	Lecture, discussion
14	Wood Window Detail Drawing	Lecture, discussion, drawing and homework
15	Wood Door Detail Drawing	Lecture, discussion, drawing and homework
16	Final Exam	Written and drawing exam

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Mimarlıkta Yapı- Yapım, Birsen Yayınevi, 2012, İstanbul (Prof. Dr. Erkin ERTEN)		
2	ESER,L. :Geleneksel ve Geliştirilmiş Geleneksel Yapı 1-2, İTÜ Mimarlık Fakültesi		
3	HASOL, D. :Ansiklopedik Mimarlık Sözlüğü, Yapı Endüstri Merkezi		
4	ILGAZ, T. :Isısal ve Nemsel Olaylarla İlgili Koşullar Açısından Sızdırmaz Örtümlü Dam Yapılar Üzerine Bir Araştırma, KTÜ		
5	LUFSKY,K. :Bauwerksabdichtung, B.G:Teubner,		
6	NEUFERT, E. :Yapı Tasarımı Temel Bilgileri, Güven Kitabevi		
7	REICHERT, H. :Sperrschicht und Dichtschict im Hochbau, Verlagsgesellschaft		
8	SCHILD,E./CASELMANN, H./DAHMEN,G./POHLENZ,R. : Bauphysik, Viweg Verlag, Braunschweig-Weisbaden		
9	SCHILD,E./OSWALD,R./ROGIER,D./SC		
10	ANONİM:TS-3128,Binalarda Zemi Rutubetine Karşı Yapılacak Yalıtım İçin Yapım Kuralları,TSE		
11	F.D.K.CHING: Çizimlerle Bina Yapım Rehberi		
12	FOSTER,J.S./HARRİNGTON,R. :Structure and Fabric Part 1-2		
13	CHUDLEN,R. :Construction Technology Vol:1-4		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	To have kowledge about Building- Environment- Users relations, the building performance expected.	10	1,2
2	Structural systems and infrastructural systems, to know the problems about them and to analyse the solutions.	10	1,2
3	To learn about Traditional Construction Systems & Contemporary Construction Systems and to learn to convey these to prepared projects.	10	1,2
4	To learn the terminology used in the architecture.	10	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	2	28
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	7	7
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	10	10
16	Final Exam	1	2	2
				90