

# TOROS ÜNİVERSİTESİ

Faculty Of Fine Arts, Design And Architecture  
Architecture

## Course Information

MECHANICAL SYSTEMS II					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ARC310	Spring	2	0	2	3

Prerequisites and co-requisites	None
Language of instruction	Turkish
Type	Required
Level of Course	Bachelor's
Lecturer	Lect. Ufuk Altınok
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise ( internship )	None
Objectives of the Course	It is aimed to give students the informations about the sanitary systems to use it in their designs and in their applications project with other disciplines after their graduation.
Contents of the Course	The general informations about the materials, details, and the principles of applications and available problems for the practices of architecture.

## Learning Outcomes of Course

#	Learning Outcomes
1	Ventilation, lighting, installation problems for the sewage systems and solutions, some informations for to prevent problems.
2	To define the subject of energy, the various heating systems and its using and general informations about it
3	To describe the factors that caused the pollution inside the buildings, the information about the prevention and elimination systems of inside pollution, the general information about air conditioning systems.
4	To describe air channels and suspended ceilings connections.
5	To assess the lecture with visual materials.
6	To get the abilities to associate with the lectures

## Course Syllabus

#	Subjects	Teaching Methods and Technics
1	The definition of sanitary systems in buildings and the materials of sanitary installation. (The pipes used in clean water, its specialties and applications)	Lect.& Presentation
2	The pipes used in sewage installation (Its application specialties)	Lect.& Presentation
3	The sanitary systems all devices.	Lect.& Presentation
4	The sanitary systems clean water devices.	Lect.& Presentation
5	The plumping S drap, toilet flush tank, filters.	Lect.& Presentation
6	The sewage and clean waters' suitable situations in buildings. ( low floors, suspended ceilings, shafts)	Lect.& Presentation
7	The subjects that interior architects should know while designing wet areas	Lect.& Presentation
8	The shaft sanitary plans of wet areas and its shaft systems.	Evaluation-Graphics of Evaluation.

9	Midterm Exam	
10	The wet areas (The working in drawings and in the plan schemes of the baths, kitchen and wc)	Lect.& Presentation
11		Lect.& Presentation
12		Lect.& Presentation
13		Lect.& Presentation
14		Lect.& Presentation
15		Lect.& Presentation
16	Final Exam	

## Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Prof. Ahmed ARPAD, “Yapı Tesisatı I” Ders Kitabı.		
2	Prof. Dr. Aydın ESEN, “Sıhhi Tesisat Ders Notları”		
3	C. SIDAL, E. S. ÖZ, “Yapıda Sıhhi Tesisat”		
4	Prof. Dr. Ahmet ARISOY, “Sıhhi Tesisat”		
5	Web Based Sources		

## 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	Ventilation, lighting, installation problems for the sewage systems and solutions, some informations for to prevent problems.	10,12	1,2
2	To define the subject of energy, the various heating systems and its using and general informations about it	10,12	1,2
3	To describe the factors that caused the pollution inside the buildings, the information about the prevention and elimination systems of inside pollution, the general information about air conditioning systems.	10,12	1,2
4	To describe air channels and suspended ceilings connections.	10,12	1,2
5	To assess the lecture with visual materials.	10,12	1,2
6	To get the abilities to associate with the lectures	15,18	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	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	3	42
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	0	0	0

8	Midterm Exam	1	2	2
9	Quiz	0	0	0
10	Homework	2	6	12
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	0	0	0
16	Final Exam	1	6	6
				<b>90</b>