

# TOROS ÜNİVERSİTESİ

Faculty Of Fine Arts, Design And Architecture  
Interior Design

## Course Information

MECHANICAL SYSTEMS II					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ICM310	Spring	2	0	2	2

<b>Prerequisites and co-requisites</b>	None
<b>Language of instruction</b>	Turkish
<b>Type</b>	Required
<b>Level of Course</b>	Bachelor's
<b>Lecturer</b>	Tolga ÇOLAK
<b>Mode of Delivery</b>	Face to Face
<b>Suggested Subject</b>	None
<b>Professional practise ( internship )</b>	None
<b>Objectives of the Course</b>	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.
<b>Contents of the Course</b>	The general informations about the materials, details, and the principles of applications and available problems for the practices of interior 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 plumbing S trap, 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	Midterm Exam	Evaluation-Graphics of Evaluation.

9	The shaft sanitary plans of wet areas and its shaft systems.	Lect.& Presentation
10	The wet areas (The working in drawings and in the plan schemes of the baths, kitchen and wc)	Lect.& Presentation
11		
12		
13		
14		
15		
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		

## 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.	9	1,2
2	To define the subject of energy, the various heating systems and its using and general informations about it	3,9	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.	3,14	1,2
4	To describe air channels and suspended ceilings connections.	3,9	1,2
5	To assess the lecture with visual materials.	7	1,2
6	To get the abilities to associate with the lectures	1	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	1	14
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	7	14
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	2	2
				<b>60</b>