

COURSE CATALOG FORM

Course Code: OHES 4411			Course Name: Occupational Health and Safety I				
Semester	Lc + T + L	Credit	ECTS	Language	Category	Instructional Methods	Pre-Requisites
2024 Spring		0	2	English		Tutorial	N/A
Course Objectives			To enable to understand of the concept of occupational health and safety in Turkey and in the world. It is aimed that they have basic knowledge about occupational health and safety. At the same time, it is aimed to make them aware of their responsibilities and obligations by the employer under Law No. 6331. To ensure that graduates who have the potential to work as occupational health and safety specialists have an idea about this branch of science in advance				
Course Content			The conceptual framework of occupational health and safety (OHS). National and international standards. Basic information about the causes, consequences, and prevention of work accidents and occupational diseases. Basic regulations and management systems in our legislation in the field of OHS.				
Course Learning Outcomes			<ol style="list-style-type: none"> 1. Defines the evaluation of Occupational Health and Safety 2. Defines the Occupational Health and Safety situation in Turkey. 3. Lists and defines national and international conventions, laws, and regulations related to occupational health and safety. 4. Describes quality management systems related to, occupational health and safety and environmental protection, and social rights in the working environment. 5. Define the concepts of hazard and risk. 6. Defines the Labor Law and lists government, employer, and employee responsibilities. 7. Defines 6331 Occupational Health and Safety Law under the basic obligations 				
ISCED Category of the course							
Textbook			4857 labor law and 6331 occupational health and safety law				
Other References			OHS regulations				

COURSE PLAN

Week		Laboratory/Tutorial Work
1	Introduction	Tutorial
2	Safety Culture	Tutorial
3	Main Terms & History	Tutorial
4	Occupational Accidents and Diseases	Tutorial
5	Protection from Occ. Accidents	Tutorial
6	Quiz	EXAM
7	Midterm	EXAM
8	BREAK	BREAK
9	Labor Law	Tutorial
10	Occ. & Health Safety Law	Tutorial
11	1 st of MAY	BREAK
12	Occ. & Health Safety Occ.&Health Safety Regulations & Commitees	Tutorial
13	Quiz	EXAM
14	National and International Organizations	Tutorial
15	Occ. & Health Safety Management Systems	Tutorial

COURSE ASSESSMENT

	Activities	Quantity	Contribution (%)
Semester Activities	Quizzes	2	20
	Reports		
	Seminars		
	Homework		

	Oral Presentations		
	Midterm Exam	1	30
	Project		
	Other		
FINAL EXAM/TAKE HOME PROJECT		1	50
Total		5	100

CONTRIBUTION of the COURSE on BIOMEDICAL ENGINEERING PROGRAM OUTCOMES

Contribution degree: 1-low, 2-medium, 3-high

	Electrical and Biomedical Engineering Program Outcomes	1	2	3
1	A comprehension of mathematics (algebra, differential, integral and probability), science (physics and chemistry) and fundamentals of computer science (programming and simulation).	1		
2	Ability to apply knowledge of mathematics, science, and engineering to problems in biomedical electronics engineering.		2	
3	Ability to recognize the needs and challenges of our age, to assess the global and social impacts of engineering solutions and to have innovative and entrepreneurial awareness.		2	
4	Comprehension of professional and ethical responsibility.		2	
5	Ability to design and conduct experiments, as well as to analyze and interpret data.	1		
6	Ability to identify, formulate and solve problems related with biomedical engineering in complex engineering projects.	1		
7	Ability to design and integrate biomedical system components to satisfy given requirements.	1		
8	Ability to take individual responsibilities and to work as part of a team, to have knowledge about the project management and business environment	1		
9	Ability to effectively communicate knowledge and opinions via written, oral and visual means.		2	
10	Ability to recognize the need for, and be motivated to engage in life-long learning.			3
11	Ability to use the hardware and software based modeling, simulation, design and communication tools necessary for engineering practice.	1		

ECTS - WORK LOAD TABLE

ACTIVITIES	Quantity	Time (h)	Work Load
Lectures	13	3	39
Final Exam (Preparation included)	1	6	6
Quizzes	2	2	4
Term Project			
Reports			
Graduation Project			
Seminars			
Out class working time	13	1	13
Homework			
Presentations			
Midterm Exams (Preparation included)	1	12	12
Projects			
Laboratory Work			
Total Work Load			
ECTS Credits of the course (Total Work Load / 25)			74

Revision / Date 22.02.2023	Coordinator / Prepared by Selden Cepni	Approved by
--	--	--------------------