

Course Description	
Course Code	YZ 112
Course Name	OCCUPATIONAL HEALTH AND SAFETY
Prerequisite Courses	
Language of the Course	The English
Course Coordinator	
Instructor(s)	
Course Assistants	
The aim of the course	When students begin to work, it is important that they take the necessary precautions for occupational safety before an accident and ensure that they are aware of their legal responsibilities
Course Content	Definition of work accidents, Types of work accidents, occupational diseases, basic causes of accident, work safety methods, risk assessment, work safety organization, personal protective equipment

Weekly Course Content	
Week 1	Definition and importance of occupational health and safety, historical development,
Week 2	General principles of occupational health and safety and safety culture,
Week 3	Information on working legislation,
Week 4	Legal rights and responsibilities of employees,
Week 5	Legal consequences arising from work accidents and occupational diseases,
Week 6	Causes of job accidents and risk assessment,
Week 7	Occupational diseases, prevention methods,
Week 8	Biological risk factors, personal protective equipment
Week 9	Midterm exam
Week 10	Psychosocial risk factors,
Week 11	Physical risk factors, Chemical risk factors,
Week12	Ergonomic risk factors,
Week 13	Fire protection, evacuation, and rescue,
Week 14	Safety and health signs.
Week 15	Final exam.

Course Learning Outcomes	
1	Know basic concepts of occupational health and safety
2	Can define job accident
3	Know the general structure of OHS legislation
4	Can list the purpose of the Law on Occupational Health and Safety No. 6331 and the obligations of the employer
5	Describe hazards originating from work equipment
6	Know the methods used to ensure occupational health and safety

Contribution of the Course to Program Qualifications			Contribution Level
01	The student will have the ability to apply analytical approach, mathematics and science knowledge in software and engineering issues.		5
02	The student will have the ability to identify, define, formulate and solve a problem in software and computer systems.		0
03	The student will have gains scientific research skills in software and engineering problems, has the ability to design a system, part or process.		0
04	The student will have the ability to use the design capability, techniques and tools required for engineering applications.		4
05	The student will have the ability to design, implement and interpret experimental work and software projects by analyzing the results.		0
06	The student will have the ability to work between disciplines and teamwork.		0
07	The student will have the ability to work in international environments and adapt to different cultures.		5
08	The student will have verbal and written communication skills in Turkish and English.		0
09	The student will have the awareness of the necessity of lifelong learning and the ability to realize it.		4
10	The student will gain knowledge of legal issues with the awareness of professional and ethical responsibility.		0
11	The student will have managerial skills (leadership, organization, time and risk management, quality awareness, efficiency, etc.).		0
12	The student will have the ability to participate in social activities, to acquire regular sports habits and to use time in the best way.		0
13	The student will have the ability to find unusual ways and produce projects.		0
14	The student will have professional self-confidence, being an entrepreneur and taking initiative.		0
15	It is sensitive about the problems of the age and looks after the national interests.		0

ECTS WORKLOAD			
	Number	Duration (hours)	Number*Duration
Face to face education	14	2	28
Out-of-class study time (pre-study, reinforcement)	14	1	14
Homeworks	0	0	0
Presentation / Seminar preparation	0	0	0
Quizzes	0	0	0
Preparation for midterm exams	1	5	5
midterm exams	1	1	1
Project (Semester assignment)	0	0	0
Lab	0	0	0
field work	0	0	0
Preparation for the final exam	1	7	7
Semester final exam	1	1	1
Research	0	0	0
TOTAL WORKLOAD			56
ECTS			2

Evaluation

SEMESTER EVALUATION	Number	Contribution Percentage
Midterm	1	100
Quiz	0	0
Homework	0	0
SEMESTER TOTAL		100
Contribution rate of mid-term evaluations to success		40
Contribution rate of the final exam to success		60
GRAND TOTAL		100

RESOURCES	
Textbook	
Helpful Resources	İş Güvenliği ve İşçi Sağlığı; Prof.Dr. A.Vahap Yiğit; Aktüel Yayın