



COURSE INFORMATION FORM

Course Name	Course Code
OCCUPATIONAL HEALTH AND SAFETY I	151411214

Semester	Number of Course Hours per Week		ECTS
	Theory	Practice	
1	2	0	2

Course Category (Credit)				
Basic Sciences	Engineering Sciences	Design	General Education	Social
	2			

Course Language	Course Level	Course Type
Turkish	Undergraduate	Compulsory

Prerequisite(s) if any	
Objectives of the Course	To teach methods of preventing occupational accidents and occupational diseases in workplaces.
Short Course Content	Definition of occupational safety, its importance, Occupational Safety Culture, Work accidents, Occupational diseases, Factors affecting the work environment, Basic occupational safety in workplaces, Risk Assessment, Personal Protectors, Fire, Relevant legislation

Learning Outcomes of the Course	Contributed PO(s)	Teaching Methods *	Measuring Methods **
1 Ability to detect, define, develop and solve alternative solutions to improve existing physical conditions in the workplace.	PO2, PO6, PO8, PO9, PO11	1,5	A
2 Ability to design experiments for workplace conditions (noise, temperature, dust, etc.), take measurements, analyze and interpret the results.	PO2, PO6, PO8, PO9, PO11	1,5	A
3 Ability to evaluate possible risks in workplaces and develop solutions to protect worker health	PO2, PO6, PO8, PO9, PO11	1,5	A
4			
5			
6			
7			
8			

*Teaching Methods 1:Expression, 2:Discussion, 3:Experiment, 4:Simulation, 5:Question-Answer, 6:Tutorial, 7:Observation, 8:Case Study, 9:Technical Visit, 10:Trouble/Problem Solving, 11:Individual Work, 12:Team/Group Work, 13:Brain Storm, 14:Project Design / Management, 15:Report Preparation and/or Presentation

**Measuring Methods A:Exam, B:Quiz, C:Oral Exam, D:Homework, E:Report, F:Article Examination, G:Presentation, I:Experimental Skill, J:Project Observation, K:Class Attendance; L:Jury Exam

Main Textbook	Kahya, E., 2014, İş Güvenliği, ESOGÜ Yayın No :246, Eskişehir.
Supporting References	1. Yiğit, A., İş Güvenliği, 2013, Dora basım-Yayın Dağıtım Ltd. Şti, Bursa. 2. Bayır, M. ve Ergül, M., 2006, İş Güvenliği ve Risk Değerlendirme Uygulamaları, Bursa. 3. Dizdar, E.N., 2008, İş Güvenliği, 4.Baskı, Murathan Yayınevi, Trabzon. 4. Esin, A., 2006, Yeni Mevzuatın Işığında İş Sağlığı ve Güvenliği, TMMOB MMO Yayın No: MMO/363/2, Ankara.
Necessary Course Material	Lecturing the subject, showing and discussing various workshop films. Laptop, Tablet, Data show, etc. required for this. electronic presentation tools.

Course Schedule	
1	Occupational Health and Safety Concept
2	Historical Development of the Concept of Occupational Health and Safety
3	General Information About OHS Legislation
4	General Information About OHS Legislation
5	Accidents at work
6	Occupational Diseases
7	Health and Safety Signs
8	Mid-Term Exam
9	Risk Factors-1
10	Risk Factors-2
11	Risk Management and Assessment-1
12	Risk Management and Assessment-2
13	Risk Prevention and Risk Protection Methods in Workplaces
14	Personal Protective Equipment
15	Fire security
16,17	Final Exam

Calculation of Course Workload			
Activities	Number	Time (Hour)	Total Workload (Hour)
Course Time (number of course hours per week)	14	2	28
Classroom Studying Time (review, reinforcing, prestudy,...)	14	1	14
Homework	1	0	0
Quiz Exam	1	0	0
Studying for Quiz Exam	1	0	0
Oral exam	1	0	0
Studying for Oral Exam	1	0	0
Report (Preparation and presentation time included)	1	0	0
Project (Preparation and presentation time included)	1	0	0
Presentation (Preparation time included)	1	0	0
Mid-Term Exam	1	2	2
Studying for Mid-Term Exam	1	15	15
Final Exam	1	2	2
Studying for Final Exam	1	10	10
Total workload			71
Total workload / 30			2,37
Course ECTS Credit			2

Evaluation	
Activity Type	%
Mid-term	50
Quiz	
Homework	
Bir öge seçin.	
Bir öge seçin.	
Final Exam	50
Total	100

RELATIONSHIP BETWEEN THE COURSE LEARNING OUTCOMES AND THE PROGRAM OUTCOMES (PO) (5: Very high, 4: High, 3: Middle, 2: Low, 1: Very low)		
NO	PROGRAM OUTCOME	Contribution
1	PO-1: Adequate knowledge of mathematics, science and basic engineering; Ability to apply theoretical and applied knowledge in these fields to model and solve engineering problems	2
2	PO-2: Skills in identifying, defining, formulating, and solving complex engineering problems in civil engineering and related fields by selecting and applying appropriate analysis and	3
3	PO-3: The ability to design a complex system, device or product in line with a determined goal, under realistic constraints and conditions, by applying modern design methods.	2
4	PO-4: Ability to develop, select and use modern techniques and tools required for Civil Engineering applications and to effectively benefit from information technologies.	2
5	PO-5: Ability to design experiments, conduct experiments, collect data, analyze and interpret results for the study of Civil Engineering problems.	3
6	PO-6: Ability to do intradisciplinary and interdisciplinary team work	4
7	PO-7: Ability to communicate effectively in Turkish verbally and in writing and the ability to use/improve foreign language knowledge.	3
8	PO-8: Awareness of the necessity of lifelong learning; the ability to access information, follow developments in science and technology and constantly renew oneself	4
9	PO-9: Awareness of professional and ethical responsibility	5
10	PO-10: Knowledge of project management and business practices such as risk management and change management; awareness about entrepreneurship, innovation and sustainable	3
11	PO-11: Information about the effects of engineering practices on health, environment and safety at universal and societal dimensions; Awareness of national and international legal regulations and standards and the legal consequences of engineering solutions.	4

LECTUTER(S)				
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Signature(s)				

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