



**HASAN KALYONCU UNIVERSITY**  
**Faculty of Engineering**  
**Course Description Form**

<b>COURSE:</b> Occupational Health And Safety					
<b>CODE:</b> FE202		<b>SEMESTER:</b> SPRING			
<b>LANGUAGE:</b> ENGLISH		<b>TYPE:</b> COMPULSORY			
<b>PRE-REQUISITES:</b> - <b>CO-REQUISITES:</b> -		<b>THEORY</b>	<b>PRACTICAL</b>	<b>CREDIT</b>	<b>ECTS</b>
<b>WEEKLY HOURS:</b> 2		2	0	2	2

**CONTENT OF THE COURSE:**

Risk groups of employees. Occupational health, importance of occupational health outlook, occupational health basics, occupational disease, the definition of work-related diseases-causes and prevention, occupational diseases related to chemical, physical and biological risks of accidents at work, occupational health criteria and application areas, Health the right to security, safety culture concept

**OBJECTIVE OF THE COURSE:**

Protect workers from occupational accidents and occupational diseases in the workplace acquiring the knowledge and skills to take safety precautions. Ability to take security measures against occupational diseases. May be at work by understanding the causes of accidents and injuries to take the necessary measures. Take precautions to make the necessary interventions for fires that may arise in the workplace learn about business law concerned about occupational health and safety legislation.

**WEEKLY SCHEDULE**

<b>Week</b>	<b>Topics</b>
1	History of Occupational Health and Safety (OHS)
2	OHS standards
3	The employer's responsibility for OHS
4	Types of hazards
5	Risk Analysis Methods, Risk Management
6	Risk Analysis Methods, Change Management
7	Prevention Methods
8	Prevention Methods
9	Contingency Plans for OHS
10	Personal Protective Equipment
11	Accidents at work
12	Occupational diseases
13	Business law
14	sustainable development

**TEXTBOOK:** İş Sağlığı ve Güvenliği Yönetim Sistemleri ve Risk Değerlendirme Metodolojileri, Özlem Özkılıç, Türkiye İşveren Sendikaları Yayını, Ankara

**REFERENCE BOOKS** David L. Goetsch, Occupational Safety and Health for technologist, engineers and managers, 2008. 4) Roland P. Blake (Ed), Industrial Safety (3rd edition)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
<b>LO1</b>	0	0	0	0	0	0	2	0	0	2	3
<b>LO2</b>	0	0	0	0	0	0	2	0	0	2	3
<b>LO3</b>	0	0	0	0	0	0	2	0	0	2	3
<b>LO4</b>	0	0	0	0	0	0	2	0	0	2	3
<b>LO5</b>	0	0	0	0	0	0	2	0	0	2	3
PO: Program Outcomes   LO: Learning Outcomes Values: 0: None   1: Low   2: Medium   3: High											

<b>INSTRUCTOR(S):</b>	Assist.Prof.Dr.Kadir Sercan BAYRAM
<b>FORM PREPARATION DATE:</b>	28.06.2021

**LEARNING OUTCOMES OF THE COURSE:**

- LO1:** Will be able to comprehend basic concepts and historical development of occupational health and safety.  
**LO2:** Will be able to comprehend the duties and responsibilities of occupational physician and occupational safety specialist in the workplace.  
**LO3:** Will be able to comprehend the concepts of risk, danger, primary, secondary and tertiary protection.  
**LO4:** Will be able to have knowledge about physical, chemical, biological and psychosocial risks.  
**LO5:** Will be able to evaluate occupational health and safety legislation in the workplace

**CONTRIBUTION OF THE COURSE TO VOCATIONAL EDUCATION**

Students, gain information about the effects of engineering applications on health, safety and engineering problems in universal and social dimensions; they also gain awareness about the legal consequences of engineering solutions.