AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Fire and Security Systems at Workplaces						
Course Code	OHS516		Couse Level	Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	75 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	The aim of this course is to teach the measures to be taken by explaining fire and fire protection methods. Learning the elements, chemical substances and their contents that cause fire. Learning the necessary conditions for fire triangles and teaching the precautions to be taken during the fire						
Course Content	Combustion and preconditions, basic chemical information, flammable materials, hazardous materials, ignition phenomenon, combustion process, fire extinguishing materials, fire hazards, portable devices, fire safety precautions, fire organization and communication, exercises and rescue.						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Discussion				
Name of Lecturer(s)							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Yangın Söndürme Sistemleri-TMMOB

Week	Weekly Detailed Course Contents	
1	Theoretical	Combustion and Preliminary Conditions, Types of Fire
2	Theoretical	Reasons for the Fire Outbreak
3	Theoretical	Chemicals, flammable substances, hazardous materials, Extinguishing media
4	Theoretical	Ignition incident, the course of the combustion event
5	Theoretical	Fire Extinguishing Methods
6	Theoretical	Fire Hazard Analysis
7	Intermediate Exam	Midterm Exam
8	Theoretical	Fire Place and Time Organization Communication
9	Theoretical	Fire Extinguisher
10	Theoretical	Fire place Measures to be taken
11	Theoretical	Legislation on Fire Information
12	Theoretical	Legislation on Fire Information
13	Theoretical	Legislation on Fire Information
14	Final Exam	Semester final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Individual Work	14	1	0	14
Midterm Examination	1	7	1	8
Final Examination	1	10	1	11
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	How the combustion event is realized and its causes are understood
2	Learning of Combustible Chemicals
3	Learning the stages of Ignition and Combustion

4	Learning of devices in the fire hazard class
5	Learning of the Management of Fire Annu Organization Communication Exercise

Programme Outcomes *(Occupational Safety and Health Interdisciplinary Master's Without Thesis)*

1	Sufficient knowledge accumulation in Mathematics, Physical Sciences and Occupational Health and Safety topics; the ability to implement theoretical and practical knowledge in these fields in order to solve and model Occupational Health and Safety problems.
2	The ability to detect, to identify, to formulate and to solve complicated problems in Occupational Health and Safety and related fields by choosing and implementing appropriate analysis methods.
4	The ability to improve, to choose, to use modern and technical tools required for Occupational Health and Safety applications and the ability to benefit from information technologies effectively.
5	The ability to design experiments so as to inspect Occupational Health and Safety problems, to carry out experiments, to gather data, to analyse results and to comment on results.
11	Information about effects of Occupational Health and Safety applications on health, environment and safety in universal and social extend; awareness about national and international legislative regulations and standards, awareness about legal conclusions of Occupational Health and Safety solutions.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	4	4	4	4	4
P2	5	5	5	5	5
P4	4	5	4	4	4
P5	5	4	5	5	5
P11	4	5	5	4	4