



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Work Accidents and Protection								
Course Code	OHS517		Course Level		Second Cycle (Master's Degree)				
ECTS Credit	5	Workload	124 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	To teach work accidents and protection methods with all dimensions								
Course Content	Work accidents and occupational diseases								
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	İş Kazaları-Erşen Gökçe

Week	Weekly Detailed Course Contents & Teaching Methods	
1	Theoretical	Basic principles of work safety
2	Theoretical	Definition of business security, prominence and purpose.
3	Theoretical	Work safety work area and scope
4	Theoretical	Work accidents and occupational diseases
5	Theoretical	Accident measurement
6	Theoretical	The main causes of the accident and prevention studies
7	Theoretical	Losses in occupational accidents and occupational diseases
8	Intermediate Exam	Midterm Exam
9	Theoretical	The impact of work safety on production and productivity
10	Theoretical	Occupational safety organization
11	Theoretical	Work accident investigation
12	Theoretical	Work accidents and occupational diseases, Labor health and work safety legislation
13	Theoretical	Work accidents and occupational diseases, Labor health and work safety legislation
14	Final Exam	Semester final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Reading	4	10	0	40
Individual Work	1	20	0	20
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				124
[Total Workload (Hours) / 25*] = ECTS				5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes	
1	To teach the basic principles of job security.
2	Work accidents and occupational diseases.
3	To teach legislation on worker health and work safety.
4	To teach work safety legislation.



5	To teach job security organization
6	As chemical engineers, they will learn the information that will bring solutions about the security issues and analyze methods: Risk analysis, HAZOP, HAZAN, error tree analysis and applications.
7	Workers will be informed about the types of fire, gas and dust explosions they may encounter in their workplace, and the bursting of the expanding vapors of boiling liquids (BLEVE).

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	L6	L7
P1	4	4	3	3	4	4	4
P2	5	5	4	5	5	5	4
P4	4	4	4	4	4	5	4
P5	5	5	4	5	5	5	4
P11	4	4	5	4	4	5	4

