



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Sectoral Occupational Health and Safety								
Course Code	OHS519		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 how to prevent work accidents and occupational diseases in various workplaces								
Course Content	Occupational accidents, Occupational diseases, Occupational safety precautions, Protectors, Risk assessment, Relevant legislation for workplaces unique to various sectors (construction, mining, chemistry etc.)								
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 Sağlığı ve Güvenliği kaynakları
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Week	Weekly Detailed Course Contents & Teaching Methods	
1	Theoretical	Course coverage, execution, evaluation General information on sector specific work safety
2	Theoretical	Occupational Health and Safety in Welding Jobs Occupational Health and Safety in Lifting Vehicles
3	Theoretical	Occupational Health and Safety in Motor Vehicles Occupational Health and Safety in Hand Tools
4	Theoretical	Occupational Health and Safety in Maintenance and Repair Works Ventilation and conditioning principles
5	Theoretical	Occupational Health and Safety in Working with Pressure Vessels Occupational Health and Safety in the Design, Manufacture and Use of Work Equipment
6	Theoretical	Occupational Health and Safety in Closed Areas
7	Theoretical	Occupational Health and Safety in Mine Workplaces
8	Theoretical	Midterm Exam
9	Theoretical	Workplace Buildings and Attachments
10	Theoretical	Workplace Buildings and Attachments
11	Theoretical	Occupational Health and Safety in Higher Work
12	Theoretical	OHS in Construction Works
13	Theoretical	Occupational Health and Safety in Electrical Work
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	Ability to identify, identify, develop and solve alternative problems in the workplace to improve existing physical conditions.
2	Ability to design experiments, take measurements, analyze and interpret results for workplace conditions (noise, temperature, dust, etc.).
3	Ability to evaluate potential risks in the workplace and develop solutions to protect human health
4	Learn the risks in construction sector
5	Recognize the risks in the mining sector

### 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	3	3	3	4	3
P2	4	4	4	5	4
P4	5	5	5	4	5
P5	4	4	4	5	3
P11	5	5	5	4	4

