



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Physical Risk Factors							
Course Code		OHS524		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		To give information about physical health risk factors affecting the health and safety of workplace and to teach occupational health and safety measures to be taken against these factors							
Course Content		Noise, Vibration, Thermal comfort, Lighting, Ionized and non-ionized beams, Low and high pressure							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Prof. Mihrican MUTİ							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	İş Sağlığı ve Güvenliği
---	-------------------------

Week	Weekly Detailed Course Contents	
1	Theoretical	Basic concepts
2	Theoretical	Noise
3	Theoretical	Vibration
4	Theoretical	Moisture
5	Theoretical	Moisture
6	Theoretical	Thermal comfort
7	Theoretical	Heating and ventilation
8	Intermediate Exam	Midterm Exam
9	Theoretical	Work in cold
10	Theoretical	Ionized and non-ionized beams
11	Theoretical	Low and high pressure
12	Theoretical	Measurement methods for media
13	Theoretical	Measuring methods for a person
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	Will be able to identify physical hazards in a general sense.
2	Will be able to identify the appropriate work environment and precautions to be taken against physical hazards.
3	Will be able to report risk analysis of physical hazards
4	Recognize the concepts of humidity and temperature



5	Learn pressure and measurement methods
---	--

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

