AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Physical Risk Factors								
Course Code	OHS524		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	5	Workload	124 *(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)	Lec. Esra ÖRENLİLİ YAYLAGÜL, Prof. Ethem AKTÜRK								

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 & Teaching Methods	
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
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	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