AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Chemical Risk Factors I								
Course Code	OHS523		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	3	Workload	75 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	To Having information about harmful chemical risk factors in the workplace								
Course Content	Material Safety Data Sheets (MSDS). Production, transport, storage and control of chemicals. Process control and detection equipment in the production of chemicals. Naming, labeling and classification of chemicals. Carcinogenic, mutagenic and toxic substances. Explosive, hazardous and harmful chemical substances. Explosion protection documents and machinery and equipment to be used in explosive atmospheres. Asbestos and other fibrous chemical substances related legislation.								
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	Kimyasal Risk Etmenleri-Cihangir Tuğsavul

Week	Weekly Detailed Course Contents	
1	Theoretical	NAMING OF CHEMICALS
2	Theoretical	CLASSIFICATION OF CHEMICALS
3	Theoretical	SOLID, POWDER, LIQUID, GAS, STEAM AND CHEMICALS MOST USED IN INDUSTRY
4	Theoretical	MATERIAL SAFETY DATA SHEET
5	Theoretical	MATERIAL SAFETY DATA SHEET
6	Theoretical	CHEMICAL RISKS
7	Theoretical	CHEMICAL RISKS
8	Intermediate Exam	Midterm Exam
9	Theoretical	SAFE USE OF CHEMICALS
10	Theoretical	RESPONSIBILITY TO USE CHEMICALS
11	Theoretical	LEGAL REGULATIONS IN OUR COUNTRY ON CHEMICALS
12	Theoretical	LEGAL REGULATIONS IN OUR COUNTRY ON CHEMICALS
13	Theoretical	LEGAL REGULATIONS IN OUR COUNTRY ON CHEMICALS
14	Theoretical	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	In general terms, it will be able to identify the harms of chemicals.
2	Will be able to identify the appropriate working environment with dangerous chemicals and precautions to be taken against these chemicals.

3	Will be able to report risk analysis for hazardous chemicals
4	Classify chemicals
5	Learns Legal Regulations

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