AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Chemicals and Biological Risk Factors								
Course Code	İSP209		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	3	Workload	75 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	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 Name, labeling and classification of chemicals Carcinogenic, mutagenic and toxic substances Flammable, explosive, hazardous and harmful chemical substances To be used in explosion-proof documents and explosive atmospheres machinery and equipment Asbestos and other fibrous chemical substances Related legislation								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
Name of Lecturer(s)	Lec. Selin YALÇIN								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Biyolojik Risk Faktörleri, Şükran Çakır Arıca

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to risk factors in working environment
2	Theoretical	Physical risk factors; Noise, Illumination
3	Theoretical	İyonize ve iyonize olmayan ışınlar, Basınç
4	Theoretical	Vibration, Thermal comfort
5	Theoretical	Vibration, Thermal comfort
6	Theoretical	Packing, naming and labeling of chemicals. Classification of dangerous chemicals and protection from danger
7	Theoretical	Health risks of chemicals; ways of entry into the body and its effects
9	Theoretical	Safety risks of chemicals; Classification of flammable, explosive, hazardous and harmful chemical substances, places where explosive atmospheres may occur
10	Theoretical	Storage and transport of chemical substances
11	Theoretical	Biological risk factors
12	Theoretical	Biological risk factors
13	Theoretical	Psychosocial risk factors
14	Theoretical	Psychosocial risk factors
15	Theoretical	Psychosocial risk factors

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	25	0	3	75
			Total Workload (Hours)	75
			[Total Workload (Hours) / 25*] = **ECTS**	3
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	.
2	.
3	Recognition and classification of chemicals in the workplace
4	Recognition of the main biological risk elements and gain the ability to take precautions

5	Knowledge of employee health protection

Programme Outcomes *(Occupational Safety and Health)*	
1	.
2	.
3	.
4	.
5	.
6	.
7	.
8	.
9	.
10	.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2
P1	5	5
P2	5	5
P3	5	5
P4	5	5