AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Occupational Health and Safety								
Course Code	İSG101		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	2	Workload	50 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The purpose of the course is to teach the principles and procedures of Occupational Health and Safety trainings to be given to the employees in accordance with the provisions of the Occupational Health and Safety Law No. 6331 dated 20/06/2012 and to improve the awareness of occupational health and safety.								
Course Content	It includes General, Health and Technical subjects from trainings that should be given to employees in order to provide occupational health and safety.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Case Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Final Examination	1	100

Recommended or Required Reading	
1	Occupational Health and Safety Law No. 6331
2	Related laws and regulations
3	Lecture notes

Week	Weekly Detailed Course Contents	
1	Theoretical	Course Description, The general principles of occupational health and safety and safety culture
2	Theoretical	Working legislation
3	Theoretical	Legal rights and responsibilities of employees, Cleaning and arrangement of workplace
4	Theoretical	The reasons of work accidents and the application of the protection principles and techniques, Legal consequences of work accidents and occupational diseases
5	Theoretical	Causes of occupational diseases,The principles of prevention from diseases and the application of prevention techniques
6	Theoretical	Biological risk factors, Psychosocial risk factors
7	Theoretical	Chemical risk factors
8	Theoretical	Physical risk factors
9	Theoretical	Ergonomy, Manual lifting and handling
10	Theoretical	Working with screened vehicles, Electricity, hazards, risks and precautions
11	Theoretical	Safe use of work equipment
12	Theoretical	Safety and health signs, The use of personal protective equipment
13	Theoretical	Glare, explosion, fire and fire protection
14	Theoretical	Emergencies, Evacuation and rescue
15	Theoretical	First aid
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Midterm Examination	1	3	1	4
Final Examination	1	3	1	4
			Total Workload (Hours)	50
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To have information about the concept of occupational health and safety
2	To be able to define and evaluate the risks of work safety that may occur in the work environment by analysing the production processes
3	To be able to recognize occupational safety materials, warnings and danger signs and plates, to have information about their properties and to have appropriate disbursement competence for their purpose
4	To have the skills of planning and implementing occupational safety trainings
5	To have sufficient knowledge about measurement techniques and methods for occupational safety and health
6	To be capable of performing first aid intervention in emergency situations
7	To follow, interpret and implement legislation in force in the field of occupational health and safety

Programme Outcomes *(Physics)*	
1	To understand the importance of physics by understanding the general concepts of physics, matter and energy
2	To be able to define the movements of matter and to distinguish the characteristics of movements under different force (potential)
3	Be able to say the meaning of Lagrange and Hamiltonian formulations of the movement and apply them to simple problems,
4	To be able to express the fundamental concepts such as time, space, force, momentum and energy in the movements of matter close to the speed of light and be able to solve and interpret the simple problems related to
5	To be able to establish the relationship between electric and magnetic forces and to be able to illustrate their applications to technology and solve problems related to the movement of particles in electric and magnetic fields
6	Be able to say the basic laws of electromagnetics and apply them to problems, illustrate their applications to simple technology
7	To be able to tell the reasons of the differences between the classical cases and the quantum scale and explain the reasons
8	Explain the concepts of discontinuity, uncertainty, matter-antimatter, indecisiveness of quantum physics with examples and explain simple problems related to the subject.
9	To be able to solve the problems of micro-particles under different simple potentials and be able to say their meanings
10	To be able to establish the relationship between the movements and properties of multi-particle systems and the laws of probability and solve simple problems
11	To be able to illustrate the laws, meanings and applications of thermodynamics and use them
12	Be able to use their knowledge about quantum physics and mechanics in explaining some properties of atoms and nuclei
13	To be able to show the meanings of some theoretical concepts by experimenting, and develop a strong relationship between thought and the real world, develop analytical thinking
14	To be able to apply the meanings of the basic laws of physics, their comprehension of universality and the relations between them and the unity of the laws of nature.
15	Use computer to solve physics problems
16	To be able to understand the problems by using their analytical knowledge skills and to propose solutions by dealing with the laws of physics
17	Be able to use the knowledge of physics to understand new technologies
18	To be able to tell the relations between symmetry and conservation laws in laws of physics

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

	L1	L2	L3	L4	L5	L6
P1	2	2	3	2	3	1
P2	2	2	3	2	3	1
P3	2	2	3	2	3	1
P4	2	2	3	2	3	1
P5	2	2	3	2	3	1
P6	2	2	3	2	3	1
P7	2	3	3	2	3	1
P8	2	2	3	2	3	1
P9	2	2	3	2	3	1
P10	2	2	3	2	3	1
P11	2	2	3	2	3	1
P12	2	2	3	2	3	1
P13	2	2	3	2	3	1
P14	4	3	4	2	4	
P15	4	3	4	2	4	
P16	4	3	4	2	4	

P17	4	3	4	2	4	
P18	2	3	4	2	4	