



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Introduction to Occupational Health and Safety Professionals							
Course Code		İSG102		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this course is to teach the concept of occupational health and safety professional and to give information about the work and processes to be done.							
Course Content		In this course, occupational health and safety professionalism, activities, related laws and regulations, documents to be prepared within the scope of occupational health and safety will be explained, information on occupational health and safety management systems, the features and operation of these systems, sectoral examples specific to different sectors and applications will be given.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Gülay KANDEMİR, Ins. Merve MUTİ İSTEK, Ins. Nergiz YÜKSEL, Lec. Ali ERKUL							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

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	Introduction of the course, general rules of OHS and safety culture
2	Theoretical	Analysis of Causes of Occupational Accidents and Occupational Diseases
3	Theoretical	The concept of OHS professional and the works and procedures that the OHS professional should do
4	Theoretical	The concept of OHS professional and the works and procedures that the OHS professional should do
5	Theoretical	Education Methods and Their Importance in Occupational Health and Safety, educations to be given
6	Theoretical	The concept of risk assessment and risk assessment methods
7	Theoretical	The concept of risk assessment and risk assessment methods
8	Intermediate Exam	Midterm exam
9	Theoretical	Emergency and evacuation plans
10	Theoretical	OHS Management Systems
11	Theoretical	OHS Management Systems
12	Theoretical	OHS Management Systems
13	Theoretical	Sectoral occupational safety practices and examples
14	Theoretical	Sectoral occupational safety practices and examples
15	Theoretical	Sectoral occupational safety practices and examples
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	Define and explain the concept of occupational health and safety professional.
2	Knows and can apply the procedures that the occupational health and safety professional should do.
3	Define and explain the basic principles, concepts and approaches of occupational health and safety management systems.
4	İş sağlığı ve güvenliği yönetim sistemlerinin işletilmesi ve organizasyonunu açıklayabilir.
5	Analyze the current situation and needs of the sector in terms of Occupational Health and Safety.
6	Can make solution suggestions in line with the sectoral Occupational Health and Safety needs analysis, and project these suggestions.

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	1	2	2	2	4	4
P2	1	2	2	2	4	4
P3	1	2	2	2	4	4
P4	1	2	2	2	4	4
P5	1	2	2	2	4	4
P6	1	2	2	2	4	4
P7	1	2	2	2	4	4
P8	1	2	2	2	4	4
P9	1	2	2	2	4	4
P10	1	2	2	2	4	4
P11	1	2	2	2	4	4
P12	1	2	2	2	4	4
P13	1	2	2	2	4	4



P14	1	2	2	2	4	4
P15	1	2	2	2	4	4
P16	1	2	2	2	4	4
P17	1	2	2	2	4	4
P18	1	2	2	2	4	4

