



T.C. ESKİŞEHİR OSMANGAZI UNIVERSITY
ARCHITECTURE AND ENGINEERING FACULTY
MECHANICAL ENGINEERING DEPARTMENT

COURSE INFORMATION FORM

SEMESTER | Fall

COURSE CODE | 151817490 | **COURSE NAME** | Environment and Occupational Safety

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
7th	3			3	5	COMPULSORY () ELECTIVE (X)	TURKISH

COURSE CATAGORY

Basic Science	Basic Engineering	Engineering Subjects [if it contains considerable design, mark with (√)]	Social Science
	100	()	

ASSESSMENT CRITERIA

	Evaluation Type	Quantity	%
MID-TERM	Mid-Term	1	25
	Quiz		
	Homework	1	25
	Project		
	Report		
	Others (.....)		
FINAL EXAM		1	50

PREREQUIEITE(S)

COURSE DESCRIPTION

Information about environment, the basic training of occupational health and worker safety; occupational safety regulations; OHSAS18001 Safety Management System

COURSE OBJECTIVES

To ensure a healthy occupational safety in working life

ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION

To inform about preventing work accidents and occupational diseases in working life

COURSE OUTCOMES

1. Understands the importance of occupational health and safety
2. Learns occupational health and safety regulations
3. Have information about environment
4. Learn the facts of environmental pollution
5. Determine the machine and human protectors to be used.
6. Determine the taken precautions to prevent occupational accidents and diseases.

TEXTBOOK

Occupational Safety Books

OTHER REFERENCES

Law number 4857; Law number 5150; occupational safety and health regulation; regulations about environment; other regulations

TOOLS AND EQUIPMENTS REQUIRED

COURSE SYLLABUS	
WEEK	TOPICS
1	The definition of environment
2	Types of environment and classification
3	The definition of environmental pollution
4	Types of environmental pollution
5	Classification of environmental pollution and its causes
6	The definition and importance of occupational safety
7	The basics of occupational safety and training
8	Mid-Term Examination
9	Mid-Term Examination
10	Regulation of occupational safety
11	Occupational accidents and analysis
12	Definition and Importance of Occupational Diseases
13	Causes of Occupational Diseases.
14	OHSAS18001 occupational safety management system
15,16	Final Exam

NO	PROGRAM OUTCOMES	3	2	1
1	Sufficient knowledge of engineering subjects related with mathematics, science and own branch; an ability to apply theoretical and practical knowledge on solving and modeling of engineering problems.	[]	[]	[x]
2	Ability to determine, define, formulate and solve complex engineering problems; for that purpose an ability to select and use convenient analytical and experimental methods.	[]	[]	[x]
3	Ability to design a complex system, a component and/or an engineering process under real life constrains or conditions, defined by environmental, economical and political problems; for that purpose an ability to apply modern design methods.	[]	[]	[x]
4	Ability to develop, select and use modern methods and tools required for engineering applications; ability to effective use of information technologies.	[]	[]	[x]
5	In order to investigate engineering problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.	[]	[]	[x]
6	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	[x]	[]	[]
7	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.	[]	[x]	[]
8	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.	[x]	[]	[]
9	Understanding of professional and ethical issues and taking responsibility	[]	[x]	[]
10	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	[x]	[]	[]
11	Knowledge of actual problems and effects of engineering applications on health, environment and security in global and social scale; an awareness of juridical results of engineering solutions.	[x]	[]	[]
1:None. 2:Partially contribution. 3: Completely contribution.				

Prepared by:

Date:

Signature(s):