T.C. ESKİŞEHİR OSMANGAZİ UNIVERSITY
ENGINEERING AND ARCHITECTURE FACULTY
…….. DEPARTMENT

COURSE INFORMATION FORM

SEMESTER	Fall

COURSE CODE	151811xxx/151831xxx	COURSE NAME	Basics of Occupational Health and Safety

SEMESTER	WEEKLY COURSE PERIOD			COURSE OF			
	Theory	Practice	Laboratory	Credit	ECTS	TYPE	LANGUAGE
1	1	0	0	1	3	COMPULSORY (x) ELECTIVE ( )	Turkish

COURSE CATAGORY			
Basic Science	Basic Engineering	Engineering Subjects [if it contains considerable design, mark with (√)]	Social Science
	20	30	50

ASSESSMENT CRITERIA			
	Evaluation Type	Quantity	%
MID-TERM	Mid-Term	1	40
	Quiz		
	Homework	2	20
	Project		
	Report		
	Others (……)		
FINAL EXAM		1	40

PREREQUIEITE(S)	
COURSE DESCRIPTION	Definition of occupational safety , occupational accidents, occupational diseases, occupational safety in workplaces, Risk assessment, Guards, Fire, the relevant legislation
COURSE OBJECTIVES	Teach the methods of prevention of occupational accidents and diseases in the workplace.
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION	Knowing the possible precautions against accidents and occupational diseases in the workplace to protect human health and improve the efficiency of labor
COURSE OUTCOMES	1. To improve the physical conditions of the workplace, develop alternative solutions and solving. 2. Design of the Workplace conditions (noise, heat, dust, etc.), taking measurements, analyzing the results and interpretation. 3. Potential risks in the workplace, assessment and development of solutions to protect human health
TEXTBOOK	1. Kahya, E., 2014, **İş Güvenliği**, ESOGÜ Yayın No :246, Eskişehir.
OTHER REFERENCES	1.Yiğit, A., **İş Güvenliği**, 2013, Dora basım-Yayın Dağıtım Ltd. Şti, Bursa. 2.Bayır, M. ve Ergül, M., 2006, **İş Güvenliği ve Risk Değerlendirme Uygulamaları**, Bursa. 3.Dizdar, E.N., 2008, **İş Güvenliği**, 4.Baskı, Murathan Yayınevi, Trabzon. 4.Esin, A., 2006, **Yeni Mevzuatın Işığında İş Sağlığı ve Güvenliği**, TMMO MMO Yayın No:MMO/363/2, Ankara.
TOOLS AND EQUIPMENTS REQUIRED	

COURSE SYLLABUS	
WEEK	**TOPICS**
1	Course scope, execution, evaluation Occupational Safety (defines, importance, etc.)
2	Occupational Safety Culture
3	Work Accidents
4	Work Accidents
5	Occupational diseases
6	Factors Affecting Business Environment
7	Basic security rules in workplaces.
8	Mid-Term Examination
9	Mid-Term Examination
10	Basic security rules in workplaces.
11	Risk Assessment
12	Protectors
13	Fire
14	Occupational Safety Law
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: Intructor: Derya ÖZKAR **Date:** 10.070.2015

Signature(s):