

COURSE DESCRIPTION FORM	
Course Code and Name	OHS 401 - OCCUPATIONAL HEALTH and SAFETY 1
Course Semester	7
Catalog Data of the Course (Course Content)	OHS general concepts, aim and importance. An overview of safety culture and occupational health and safety. OHS legislation and OHS services. OHS management systems. Ethics in OHS. Work hygiene and hazards in workplace. Risk factors. Occupational accidents and occupational diseases and basic protection methods. Emergency plans and first aid. Special circumstances in working life.
Textbook of the Course	Alli, B. O., Occupational Health and Safety, ILO, International Labour Office, Geneva, 2008
Supplementary Textbooks	<ol style="list-style-type: none"> 1. Goetsch, D.L., Occupational Safety and Health for Technologists, Engineers, and Managers, 8th Edition, Pearson, 2010 2. A manual for Primary Health Care Workers, 2001, WHO-EM/OCH/85/E/L, World Health Organization, Regional Office for the Eastern Mediterranean 3. Fundamental Principles of Occupational Health and Safety 4. Occupational Health and Safety Handbook, work force; xs 5. Bayır, M., Ergül, M., İş Güvenliği ve Risk Değerlendirme Uygulamaları, Legal Kitapevi
Credit (ECTS)	2
Prerequisites of the Course	-
Type of the Course	Compulsory
Instruction Language of the Course	English
Course Objectives	<ul style="list-style-type: none"> • To understand the safety culture and learn the benefits to enterprise • To learn the basic principles of OHS • To learn the legal aspect of OHS • To learn basic protection methods • To learn emergency and first aid requirements and needs • To sense the risk factors and evaluate the effects on OHS
Learning Outcomes	<ol style="list-style-type: none"> 1. They can understand the importance of the occupational health and safety. 2. They can gain risk management skills. 3. They can gain the ability to develop skills of the work place layout under the skin of occupational health and safety principles. 4. They can plan the activities of prevention the occupational accidents and diseases be for occurring.
Instruction Method	On line lecture, Question & Answer, Demonstration
Weekly Schedule of the Course	<ol style="list-style-type: none"> 1. Week : Safety Culture and Occupational Health and Safety. Basic concepts, aim and importance 2. Week : Principles in Labour Law and Place of Occupational Health and Safety (OHS) 3. Week : Occupational Health and Safety Legislation 4. Week : Working Environment Monitoring - OHS Services 5. Week : Ethics in Occupational Health and Safety. OHS Management Systems 6. Week : Shift Work and Night Work. Special Risk Groups in Work Life 7. Week : Work Accidents, Occupational Diseases and Health Monitoring 8. Week : Midterm Exam, Occupational Diseases and Health Monitoring 9. Week: Protection Policies and Basic Methods. Personal Protective Equipment. Health and Safety Signs 10. Week : Emergency Plans and First Aid 11. Week: Workplace Hygiene and Workplace Hazards. Hazard at Work Place (Environment, Mechanics,Electricity, etc.) 12. Week : Physical Risk Factors. Ergonomic Risk Factors 13. Week :Biological Risk Factors 14. Week : Chemical Risk Factors

	15. Week : Final Exam						
Assesment Tasks (The time spent for the activities listed here will determine the amount of credit required.)	Weekly theoretical course hours : 2 Hours per week Reading Activities Internet browsing, library work Designing and implementing materials Report preparing Preparing a Presentation Presentations Preparation of Midterm and Midterm Exam : 10 Final Exam and Preparation for Final Exam : 10						
Assesment Criteria		Sayısı	Toplam Katkısı (%)				
	Midterm Exams	1	60				
	Assignment	0	0				
	Practice	0	0				
	Projects	0	0				
	Practise	0	0				
	Quizes	0	0				
	Percent of In-term Studies to Year- to Year (%)	0	60				
Percentage of Final Exam to Total Score (%)	1	40					
Attendance							
Workload of the Course	Efficiency		Total Number of Weeks	Duration (weekly hour)	Total Period Work Load		
	Weekly Theoretical Course Hours		14	2	28		
	Hours Per Week						
	Reading Tasks						
	Internet Browsing, Library Work						
	Designing and Implementing Materials						
	Report Preparing						
	Preparing a Presentation						
	Presentations						
	Midterm Exam and Preperation for Midterm Exam		1	10	10		
	Final Exam and Preperation for Final Exam		1	10	10		
	Other						
	Total Workload				48		
	Total Workload / 25				1.92		
Course Credit (ECTS)				2			
Contribution Level Between Course Outcomes and Program Outcomes	No	Program Learning Outcomes	1	2	3	4	5
	1	Adequate knowledge in mathematics, science and engineering subjects pertaining to the relevant discipline; ability to use theoretical and applied knowledge in these areas in complex engineering problems.					
	2	Ability to identify, formulate, and solve complex engineering					

	problems; ability to select and apply proper analysis and modeling methods for this purpose.					
3	Ability to design a complex system, process, device or product under realistic constraints and conditions, in such a way as to meet the desired result; ability to apply modern design methods for this purpose.					
4	Ability to devise, select, and use modern techniques and tools needed for analyzing and solving complex problems encountered in engineering practice; ability to employ information technologies effectively.		X			
5	Ability to design and conduct experiments, gather data, analyze and interpret results for investigating complex engineering problems or discipline specific research questions.					
6	Ability to work efficiently in intra-disciplinary and multi-disciplinary teams; ability to work individually.			X		
7	Ability to communicate effectively in Turkish, both orally and in writing; knowledge of a minimum of one foreign language; ability to write effective reports and comprehend written reports, prepare design and production reports, make effective presentations, and give and receive clear and intelligible instructions.					
8	Recognition of the need for lifelong learning; ability to access information, to follow developments in science and technology, and to continue to educate him/herself.		X			
9	Consciousness to behave according to ethical principles and professional and ethical responsibility; knowledge on standards used in engineering practice.					
10	Knowledge about business life practices such as project management, risk management, and change management; awareness in entrepreneurship, innovation; knowledge about sustainable development.					
11	Knowledge about the global and social					X

	effects of engineering practices on health, environment, and safety, and contemporary issues of the century reflected into the field of engineering; awareness of the legal consequences of engineering solutions.					
Names of Lecturers and e-mails of Lecturers	<ol style="list-style-type: none">1. Öğretim Elemanlarının Adı-Soyadı: Suna BALCI e-posta adresi : sunabalci@gazi.edu.tr2. Öğretim Elemanlarının Adı-Soyadı: Bengi AYKAÇ e-posta adresi : baykac@gazi.edu.tr;3. Öğretim Elemanlarının Adı-Soyadı: Filiz DEREKAYA e-posta adresi : filizb@gazi.edu.tr					