

Course Description Form	
Course Code and Name	OHS 402 – OCCUPATIONAL HEALTH and SAFETY 2
Course Semester	2
Catalog Content	Fire, explosion and protection. Occupational Health and Safety in workplace carried out in various work. Risk identification and OHS in different works. Risk assessment and risk management. OHS approach in specific works domain
Textbook	
Supplementary Textbooks	<ul style="list-style-type: none"> <li>Alli, B. O., Occupational Health and Safety, ILO, International Labour Office, Geneva, 2008,</li> <li>Goetsch, D.L., Occupational Safety and Health for Technologists, Engineers, and Managers, 8th Edition, Pearson, 2010</li> <li>A manual for Primary Health Care Workers, 2001, WHO-EM/OCH/85/E/L, World Health Organization, Regional Office for the Eastern Mediterranean</li> <li>Fundamental Principles of Occupational Health and Safety</li> <li>Occupational Health and Safety Handbook, work force; xs ; xs</li> </ul>
Credit	2
Prerequisites of the Course ( Attendance Requirements)	Obligation to participate in project presentation for their team
Type of the Course	Compulsory course
Instruction Language	English
Course Objectives	<ul style="list-style-type: none"> <li>To understand the safety culture and learn the benefits to enterprise.</li> <li>To learn the basic principles of OHS.</li> <li>To learn the legal aspect of OHS.</li> <li>To sense the risk factors and evaluate the effects on OHS.</li> <li>To learn basic protection methods</li> <li>To learn emergency and first aid requirements and needs</li> </ul>
Course Learning Outcomes	<ol style="list-style-type: none"> <li>Ability to understand the importance of the occupational health and safety.</li> <li>Risk management skills</li> <li>Ability to develop skills of the work place layout under the skin of occupational health and safety principles</li> <li>Ability to plan the activities of prevention the occupational accidents and diseases be for occurring</li> </ol>
Instruction Methods	On line lecture, Question & Answer, Demonstration, Project preparation and presentation
Weekly Schedule	1. Week : Fire and Fire Protection
	2. Week : Explosion and Explosion Protection : OHS in Electrical Works
	3. Week : OHS in Confined Spaces Works : OHS on Working with Pressured Vessels
	4. Week : OHS on Working at Height
	: OHS at Design, Manufacturing and Usage of Work Equipment
	5. Week : OHS in Maintenance and Repair Works
	6. Week : MIDTEM EXAM
	7. Week : OHS in Construction
	8. Week : OHS in Mining Operations
	9. Week : Risk Management Approach

	10. Week : Risk Assessment Methods				
	11. Week : Project Presentation in specific works domain				
	12. Week : Project Presentation in specific works domain				
	13. Week : Project Presentation in specific works domain				
	14. Week : Project Presentation in specific works domain				
	15. Week : FINAL EXAM				
<b>Teaching and Learning Methods</b>  <i>(These are examples. Please fill which activities you use in the course)</i>	Weekly theoretical course hours : 2 Weekly applied course hours : - Reading Activities : Internet browsing, library work : Designing and implementing materials : Report preparing : 1 Preparing a Presentation : 1 Presentations : 1 Preparation of Midterm and Midterm Exam : Final Exam and Preparation for Final Exam :				
<b>Assessment Criteria</b>		<b>Numbers</b>	<b>Total Weighting (%)</b>		
	Midterm Exams	1	25		
	Assignment	-			
	Application	-			
	Projects	1	35		
	Practice	-			
	Quiz	-			
	Percent of In-term Studies (%)		60		
	Percentage of Final Exam to Total Score (%)	1	40		
	Attendance				
<b>Workload</b>		<b>Activity</b>	<b>Total Number of Weeks</b>	<b>Duration (weekly hour)</b>	<b>Total Period Work Load</b>
	Weekly Theoretical Course Hours	14	2	28	
	Weekly Tutorial Hours				
	Reading Tasks				
	Studies				
	Material Design and Implementation				
	Report Preparing	1	5	5	
	Preparing a Presentation	1	3	3	
	Presentations	1	2	2	
	Midterm Exam and Preparation for Midterm Exam	1	5	5	
	Final Exam and Preparation for Final Exam	1	5	5	
	Other ( should be emphasized)				
	Total Workload				
	Total Workload / 25				
	Course Credit (ECTS)			48	

Contribution Level Between Course Learning Outcomes and Program Outcomes	No	Program 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 information in these areas to model and solve 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.			X		
	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 engineering practice; ability to employ information technologies effectively.					
	5	Ability to design and conduct experiments, gather data, analyze and interpret results for investigating engineering problems.					
	6	Ability to work efficiently in intra-disciplinary teams.			X		
	7	Ability to work efficiently in multi-disciplinary teams;					X
	8	Ability to work individually.					
	9	Ability to communicate effectively in Turkish/English, both orally and in writing; Ability to write effective reports and comprehend written reports, make effective presentations,				X	
	10	Prepare design and production reports, give and receive clear and intelligible instructions.					
	11	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
	12	Awareness of professional and ethical responsibility.					X
	13	Information about business life practices such as project management, risk management, and change management.					X
	14	Information about awareness of entrepreneurship, innovation, and sustainable development.					
	15	Knowledge about contemporary issues and the global and societal effects of engineering practices on health, environment, and safety.					X
	16	Knowledge about awareness of the legal consequences of engineering solutions.					X
	17	Knowledge on standards used in		X			

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	engineering practice.														
<b>The Course's Lecturer(s) and Contact Informations</b>	<div>1. Öğretim Elemanlarının Adı-Soyadı: Suna BALCI e-posta adresi : <a href="mailto:sunabalci@gazi.edu.tr">sunabalci@gazi.edu.tr</a></div> <div>2. Öğretim Elemanlarının Adı-Soyadı: Bengi AYKAÇ e-posta adresi : <a href="mailto:baykac@gazi.edu.tr">baykac@gazi.edu.tr</a></div> <div>3. Öğretim Elemanlarının Adı-Soyadı: Filiz DEREKAYA e-posta adresi : <a href="mailto:filizb@gazi.edu.tr">filizb@gazi.edu.tr</a></div>														