

<b>Course Description Form</b>																	
<b>Course Code and Name</b>	OHS 401 – OCCUPATIONAL HEALTH and SAFETY 1																
<b>Course Semester</b>	7																
<b>Catalog Content</b>	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.																
<b>Textbook</b>																	
<b>Supplementary Textbooks</b>	<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</li> </ul>																
<b>Credit</b>	2																
<b>Prerequisites of the Course ( Attendance Requirements)</b>	-																
<b>Type of the Course</b>	Compulsory course																
<b>Instruction Language</b>	English																
<b>Course Objectives</b>	<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 learn basic protection methods</li> <li>• To learn emergency and first aid requirements and needs</li> <li>• To sense the risk factors and evaluate the effects on OHS</li> </ul>																
<b>Course Learning Outcomes</b>	<ol style="list-style-type: none"> <li>1. Ability to understand the importance of the occupational health and safety.</li> <li>2. Risk management skills</li> <li>3. Ability to develop skills of the work place layout under the skin of occupational health and safety principles</li> <li>4. Ability to plan the activities of prevention the occupational accidents and diseases be for occurring</li> </ol>																
<b>Instruction Methods</b>	On line lecture, Question & Answer, Demonstration																
<b>Weekly Schedule</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 10%;">1. Week</td> <td>: Safety Culture and Occupational Health and Safety. Basic concepts, aim and importance</td> </tr> <tr> <td>2. Week</td> <td>: Principles in Labour Law and Place of Occupational Health and Safety (OHS)</td> </tr> <tr> <td>3. Week</td> <td>: Occupational Health and Safety Legislation</td> </tr> <tr> <td>4. Week</td> <td>: Working Environment Monitoring - OHS Services</td> </tr> <tr> <td>5. Week</td> <td>: Ethics in Occupational Health and Safety : OHS Management Systems</td> </tr> <tr> <td>6. Week</td> <td>: Shift Work and Night Work : Special Risk Groups in Work Life</td> </tr> <tr> <td>7. Week</td> <td>: MIDTERM EXAM</td> </tr> <tr> <td>8. Week</td> <td>: Work Accidents</td> </tr> </table>	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	: MIDTERM EXAM	8. Week	: Work Accidents
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	: Occupational Diseases and Health Monitoring			
	: Protection Policies and Basic Methods			
	9. Week	- Personal Protective Equipment - Health and Safety Signs		
	10. Week	: Emergency Plans and First Aid		
	: Workplace Hygiene and Workplace Hazards			
	11. Week	: 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			
<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	:		
	Preparing a Presentation	:		
	Presentations	:		
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	60	
	Assignment	-		
	Application	-		
	Projects	-		
	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			
	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 ( should be emphasized)			

	Total Workload						
	Total Workload / 25						
	Course Credit (ECTS)						48
<b>Contribution Level Between Course Learning Outcomes and Program Outcomes</b>	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.					
	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.		X			
	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;					
	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,					
	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.					
	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 engineering practice.		X			
<b>The Course's Lecturer(s) and Contact Informations</b>		Dr. Emine KAYA EKİNCİ eminekaya@gazi.edu.tr					