COURSE DESCRIPTION FORM	
Course Code and Name	OHS 402 - OCCUPATIONAL HEALTH and SAFETY 2
Course Semester	8
Catalog Data of the Course (Course 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 of the Course	Alli, B. O., Occupational Health and Safety, ILO, International Labour Office, Geneva, 2008
Supplementary Textbooks	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	Obligation to participate in project presentation for their team
Type of the Course	Compulsory
Instruction Language of the Course	Turkish
Course Objectives	• 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	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, Project preparation and presentation
Weekly Schedule of the Course	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 5. Week : OHS at Design, Manufacturing and Usage of Work Equipment : OHS in Maintenance and Repair Works 6. Week : OHS in Construction 7. Week : OHS in Mining Operations 8. Week : Midterm Exam, Risk Management Approach 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

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	: 5
Preparing a Presentation	: 3
Presentations	: 2
Preparation of Midterm and Midterm Exam	: 5
Final Exam and Preparation for Final Exam	: 5

Assesment Criteria

	Sayısı	Toplam Katkısı (%)
Midterm Exams	1	25
Assignment	0	0
Practice	0	0
Projects	1	35
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	1	5	5
Preparing a Presentation	1	3	3
Presentations	1	2	2
Midterm Exam and Preperation for Midterm Exam	1	5	5
Final Exam and Preperation for Final Exam	1	5	5
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.			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 analyzing and solving complex problems encountered in engineering practice; ability to employ information technologies effectively.					
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.				X	
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.					X
11	Knowledge about the global and social effects of engineering practices on health, environment, and safety, and contemporary issues of the century reflected into the field					X

			of engineering; awareness of the legal consequences of engineering solutions.					
Names of Lecturers and e-mails of Lecturers	1. Öğretim Elemanlarının Adı-Soyadı: Suna BALCI e-posta adresi : sunabalci@gazi.edu.tr 2. 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							