

	<b>Course name:</b> ENGR260 Principles of Occupational Health and Safety (OHS)		<b>Department:</b> All departments at AYBU		Semester
					3
	<b>Methods of Education</b>				Credit (ECTS)
	Lecture	Study Time	Homework	Exam (incl. Preparation)	Total
28	25	25	12	90	
Language	English				
Compulsory/Elective	Elective				
Prerequisites	None				
Course Contents	Introduction to occupational health and safety (OHS) principles, history of OHS, Introduction to labor and OHS laws, Risk assessment and control, Working environment, OHS hazards and identification, proactive approach to OHS issues, management systems, legislative issues of OHS and international organizations				
Course Objective	To understand the basic OHS concepts and applications, risk analysis and risk assessment at workplace, legislative issues for OHS.				
Learning Outcomes and Competences	After taking this course, students will be able to understand: The OHS issues, Machinery, electricity and other hazard sources in working area, the responsibilities of people at workspace.				
Textbook and /or References	<ol style="list-style-type: none"> <li>1. "Fundamental Principles of Occupational Health and Safety" by B.O. Alli, ILO, 2nd Edition, 2008.</li> <li>2. "Fundamentals of Occupational Safety and Health (Fundamentals of Occupational Safety &amp; Health)" by M. A. Friend, J. P. Kohn, Government Institutes, 5th ed., 2010.</li> <li>3. "Occupational Safety and Health for Technologists, Engineers, and Managers" by D. L. Goetsch, Prentice Hall, (8th Edition), 2014.</li> <li>4. T.C. Çalışma ve Sosyal Güvenlik Bakanlığı, <a href="http://www.csgb.gov.tr">www.csgb.gov.tr</a></li> <li>5. İş Sağlığı ve Güvenliği Genel Müdürlüğü, <a href="http://www.isggm.gov.tr">www.isggm.gov.tr</a></li> <li>6. İş Sağlığı ve Güvenliği Enstitüsü Müdürlüğü: İSGÜM, <a href="http://www.isgum.gov.tr">www.isgum.gov.tr</a></li> <li>7. The National Examination Board in Occupational Safety and Health (NEBOSH), <a href="http://www.nebosh.org.uk">www.nebosh.org.uk</a></li> <li>8. Occupational Safety and Health Administration, <a href="http://www.osha.gov">www.osha.gov</a>, <a href="http://osha.europa.eu">osha.europa.eu</a></li> <li>9. "İş Güvenliği", by E. Kahya, D. Özkar, Eskişehir Osmangazi Üniv., 2014.</li> </ol>				
Assessment Criteria			If any, mark as (X)	Percentage (%)	
	Midterm Exams		X	20	
	Quizzes		X	10	
	Homework		X	10	
	Projects		X	20	
	Term Paper		X	10	
	Laboratory work				
	Other				
Final Exam		X	30		
Instructors	Prof. Dr. Hüseyin Canbolat				
<b>Weekly Schedule</b>					
<b>Week</b>	<b>Subject</b>				
1	introduction to health & safety in industry				
2	Approach to OHS				
3	People at work environment,				
4	Control measures				
5	Management systems				
6	Management systems, (OHSAS 18001, ISO 9001, ISO 14001 etc.)				
7	The labor law 4857 and OHS law 6331				
8	Midterm Exam				
9	Risk assessment				

10	Risk management
11	Health assessment & surveillance
12	Accident and incident investigation
13	Managing the health and safety of contractors
14	Project, Homework
15	Review (if time permits)