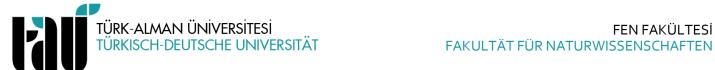


Course Details										
Code				A	Academic Year			Semes	Semester	
ISG001				4				7	7	
Title				Т		A	L	ECTS		
Occupational Safety and Health I				2	(0	0	2	2	
Language	German									
Level	Undergraduate	X Graduate				P	ostgra	duate		
Department / Program	Materials Science and	Technolog	gy							
Forms of Teaching and Learning	Face to face									
Course Type	Compulsory	х			Elective					
Objectives	Teaching of basic theoretical information occupational health and safety field, basic legal arrangements on OHS law in Turkey; especially duties, competencies and responsibilities of the naval architects. To inform causes and effects of occupational accidents and illnesses and basic courses about preventive practices and basic legal arrangements in the shipyard industry.									
Content	Theoretical framework of occupational health and safety (OHS), national and international standards of the OHS; causes and effects of occupational accidents and illnesses and basic courses about preventive practices, basic legal arrangements on OHS law in Turkey, case studies and civil jurisdictions of Court of Appeals, analysis of the occupational accidents in shipyard industry.									
Prerequisites										
Coordinator										
Lecturer(s)	Engineer Joachim Kuntze									
Assistant(s)										
Work Placement	No									
Recommended or Required Re	eading									
Books / Lecture Notes	Yılmaz, F., Occupational Health and Safety Textbook" Yelekçi, M., "Worker Health and Safety" Esin, A., "Occupational Health and Safety" Çelebi, U.B., "Occupational Health and Safety in Shipyard Textbook"									
Other Sources	Yılmaz, F., Occupational Health and Safety Textbook" Yelekçi, M., "Worker Health and Safety" Esin, A., "Occupational Health and Safety" Çelebi, U.B., "Occupational Health and Safety in Shipyard Textbook"									
Additional Course Material										
Documents										
Assignments										
Exams										



COURSE SYLLABUS									
Course Composition									
Mathematics und Basic Sciences									
Engineering									
Engineering Design									
Social Sciences									
Educational Sciences									
Natural Sciences									
Health Sciences									
Expert Knowledge			%						
Assessment									
Activity	Cou	int	Percentage (%)						
Midterm Exam	1		40						
Quiz									
Assignments									
Attendance									
Recitations									
Projects									
Final Exam	1	1							
		Total							
ECTS Points and Work Lo	pad								
Activity	Count	Duration	Work Load (Hours)						
Lectures	14	2	28						
Self-Study	14	2	28						
Assignments									
Presentation / Seminar Preparation									
Midterm Exam	1	3	3						
Recitations									
Laboratory									
Laboratory Projects									
	1	3	3						
Projects	1	3 Total Work Load	3 62						
Projects									
Projects		Total Work Load	62						
Projects Final Exam Learning Outcomes		Total Work Load its (Total Work Load / Hours)	62 2						
Projects Final Exam Learning Outcomes 1 Students	ECTS Poin	Total Work Load Its (Total Work Load / Hours) Ito occupational safety and hea	62 2 alth of workers						



3	Students shall adopt risk, prevention, and safety culture									
4	To learn the causes of work-related accidents and the measures to be taken in Ship Building Industry									
5	Students shall understand Engineer's responsibility the terms of occupational safety									
6										
7	http://www.rwth-aachen.de/go/id/ciss/?lidx=1http://www.rwth-aachen.de/go/id/ciss/?lidx=1									
8										
9										
10										
11										
12										
Weekly Conten	t									
1	Theoretical framework, definitions and scope of occupational health and safety. Cost of occupational accidents and illnesses									
2	Economical dir	mensions of occ	upational accide	ents and illnesse	s, importance of	f OHS for he ent	erprises			
3	Analysis of the	risky fields-sect	ors of Turkey in	OHS						
4	Causes of occupational accidents and illnesses: physical, ergonomic, chemical, biological, individual and psycho-social risks									
5	Components of preventive OHS approach: Risk Assessment and Management, Ergonomic Precautions, Organizing the OHS Activities									
6	Components of preventive OHS approach: OHSAS 18001 Management System, Training, Regular Sanitary Control ve Occupational Physician, OHS on employing process									
7	National and international standartds and conventions in OHS. The legal arrangements concerned with OHS in Turkey: OHS in Acts									
8	Midterm Exam									
9	The definitions, scope and juridical results of employer, employee, employer agent, workplace, subcontractor, occupational accident, occupational illness.									
10	The regulations and guidelines on OHS: Occupational Health and Safety Regulation.									
11	The Regulation on Heavy and Hazardous Work, The Regulation About OHS Training, The Regulation on Workplace Health and Safety Units and Common Health and Safety Units.									
12	Responsibilities of employer and employer agent (engineer-OHS expert) about occupational accidents and illnesses; case studies.									
13	Analysis of the statistics on occupational accidents and illnesses, the most frequent accidents and illnesses and precautions.									
14	Case studies and court decisions of Court of Appeals.									
15										
Contribution of Learning Outcomes to Program Objectives (1-5)										
	P1	P2	Р3	P4	P5	P6	P7			
1	5	5	5	5	5	5	5			
2										
3										
4										



5							
6							
7							
8							
9							
10							
11							
12							
Contribution Level 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High							
Compiled by:							
Date of Compilation:							