

Course Details									
Code				Acad	Academic Year			Semester	
ISG001				4	4			7	
Title				т	Α	L	ECTS		
Occupational Safety and Health I				2	0	0	2		
Language	German								
Level	Undergraduate	x	Graduate	Postgraduate					
Department / Program	Department of Energy Science and Technology (German)								
Forms of Teaching and Learning	Face to Face								
Course Type	Compulsory X 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)	Mühendis Joachim Kuntze								
Assistant(s)									
Work Placement	No								
Recommended or Required Reading									
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 Composition									
Mathematics und Basic							%		

Sciences						
Engineering			%			
Engineering Desi	gn		%			
Social Sciences			%			
Educational Scie	nces		%			
Natural Sciences			%			
Health Sciences				%		
Expert Knowledg	je			%		
Assessment						
Activ	ʻity	Cou	nt	Percentage (%)		
Midterm Exam		1		40		
Quiz		0		0		
Assignments		0		0		
Attendance		0	0			
Recitations		0	0			
Projects		0	0			
Final Exam		1	1			
		·	100			
ECTS Points and	d Work Load					
Activ	ʻity	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						
Projects						
Final Exam		1	3	3		
			Total Work Load	62		
ECTS Points (Total Work Load / Hours)			2			
Learning Outco	mes					
1	Students shall learn the basic concepts related to occupational safety and health of workers					
2	To learn the o diseases	To learn the causes and measures to be taken to prevent accidents at work and occupational diseases				
3		Students shall adopt risk, prevention, and safety culture				



			COURSE S	YLLABUS			
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						
Weekly Conten	t						
1	Theoretical framework, definitions and scope of occupational health and safety. Cost of occupational accidents and illnesses						
2	Economical dimensions of occupational accidents and illnesses, importance of OHS for he enterprises						
3	Analysis of the risky fields-sectors of Turkey in OHS						
4	Causes of occupational accidents and illnesses: physical, ergonomic, chemical, biological, individual				al, individual		
5	and psycho-social risks 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.						
Contribution of Learning Outcomes to Program Objectives (1-5)							
	P1	P2	P3	P4	P5	P6	P7
1	5	5	5	5	5	5	5
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9							
10 11							
11							
Contribution Lev		1 · I ow 2 · I ow-in	termediate 3: In	termediate 4 · F	ligh 5: Very High		
		1. LOW 2. LOW III	conculate 5. III	terneulate 4. I			



Compiled by:	
Date of Compilation:	