

DEPARTMENT OF MATERIALS SCIENCE AND TECHNOLOGY **COURSE SYLLABUS**

Course Details								
Code				Acad	Academic Year		Semester	
ISG002					4		2	
Title				Т	Α	L	ECTS	
Occupational Safety and Health	П			2			2	
Language	German							
Level	Undergraduate	х	Graduate		1	Postgra	duate	
Department / Program	Department of Mater	Department of Material Science and Technology						
Forms of Teaching and Learning	Face to Face	_						
Course Type	Compulsory		х	Ele	ective			
Objectives	arrangements on OH the naval architects.	Teaching of basic theoretical information occupational health and safety field, basic leg arrangements on OHS law in Turkey; especially duties, competencies and responsibilitie the naval architects. To inform causes and effects of occupational accidents and illnesse and basic courses about preventive practices and basic legal arrangements in the shipya					onsibilities of d illnesses	
Content	Theoretical framework of occupational health and safety (OHS), national and internati standards of the OHS; causes and effects of occupational accidents and illnesses and b courses about preventive practices, basic legal arrangements on OHS law in Turkey, ca studies and civil jurisdictions of Court of Appeals, analysis of the occupational accident shipyard industry.					es and basic rkey, case		
Prerequisites	None							
Coordinator	None							
Lecturer(s)	Eng. Joachim Kuntze							
Assistant(s)	None							
Work Placement	No							
Recommended or Required	Reading							
Books / Lecture Notes	-	lmaz, F., Occupational Health and Safety Textbook" Yelekçi, M., "Worker Health and Safety" sin, A., "Occupational Health and Safety" Çelebi, U.B., "Occupational Health and Safety in hipyard Textbook"						-
Other Sources	Imaz, F., Occupational Health and Safety Textbook" elekçi, M., "Worker Health and Safety" sin, A., "Occupational Health and Safety" elebi, U.B., "Occupational Health and Safety in Shipyard Textbook"							
Additional Course Material								
Documents								
Assignments								
Exams								



DEPARTMENT OF MATERIALS SCIENCE AND TECHNOLOGY **COURSE SYLLABUS**

Course Composition	
Mathematics und Basic Sciences	%
Engineering	%
Engineering Design	%
Social Sciences	%
Educational Sciences	%
Natural Sciences	%
Health Sciences	%
Expert Knowledge	%

Assessment

Activity	Count	Percentage (%)
Midterm Exam	1	40
Quiz		
Assignments		
Attendance		
Recitations		
Projects		
Final Exam	1	60
	Total	100

	WORK LOUG						
Activity		Count	Duration	Work Load (Hours)			
Lectures		14	2	28			
Self-Study		14	2	28			
Assignments							
Presentation / Se Preparation	minar						
Midterm Exam		1	3	3			
Recitations							
Laboratory							
Projects							
Final Exam		1	1 3				
			Total Work Load	62			
ECTS Points (Total Work Load / Hours) 2							
Learning Outcor	nes						
1	Students shall learn the basic concepts related to occupational safety and health of workers						
2	To learn the causes and measures to be taken to prevent accidents at work and occupational diseases						

1

DEPARTMENT OF MATERIALS SCIENCE AND TECHNOLOGY **COURSE SYLLABUS**

			COUR	SESYLLAB	05					
3	Students sha	ll adopt risk, j	prevention, ar	nd safety cultu	ire					
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										
8										
9										
10										
11										
12										
Weekly Conte	nt									
-		ramework, de	efinitions and	scope of occu	pational healtl	n and safety. C	ost of occupa	tional		
1	accidents and									
2	Economical o	limensions of	occupational	accidents and	l illnesses, imp	ortance of OH	S for he enter	prises		
3		-	-sectors of Tu							
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	-				001 Manageme process	ent System, Tr	aining, Regula	r Sanitary		
7	Control ve Occupational Physician, OHS on employing process 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	-	-			egulation Abo Ith and Safety		g, The Regulat	tion on		
12	Workplace Health and Safety Units and Common Health and Safety Units.Responsibilities of employer and employer agent (engineer-OHS expert) about occupational accidents and illnesses; case studies.									
13		ne statistics or	n occupationa	l accidents an	d illnesses, the	e most frequer	nt accidents a	nd illnesses		
14			cisions of Cou	rt of Appeals.						
15										
Contribution o	of Learning Ou	itcomes to P	Program Obio	ectives (1-5)	I					
	P1	P2	P3	P4	P5	P6	P7	P8		
1	5	5	5	5	5	5	5	5		
2										
3										



DEPARTMENT OF MATERIALS SCIENCE AND TECHNOLOGY **COURSE SYLLABUS**

5								
6								
7								
8								
9								
10								
11								
12								
Contribution Level 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High								
https://obs.tau.edu.tr/oibs/bologna/progLearnOutcomes.aspx?lang=en&curSunit=207								
Compiled by:	piled by: Res. Asst. Gökçe Evren							
Date of Compilation: 25.04.2022								