

Course Details								
Code				Acad	Academic Year			ster
ISG001				4	4		7	
Title					Α	L	ECTS	
Occupational Safety and Health I				2	0	0	2	
Language	German	German						
Level	Undergraduate	Х	Graduate		F	Postgrad	duate	
Department / Program	Department of Mole	ecular Biotech	nnology					
Forms of Teaching and Learning	Face to Face							
Course Type	Compulsory		X	Ele	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.							sibilities of illnesses and
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 Re	ading							
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 Design							
Social Sciences							
Educational Sciences							
Natural Sciences							
Health Sciences			%				
Expert Knowledge			%				
Assessment							
Activity	Со	unt	Percentage (%)				
Midterm Exam		1	40				
Quiz		0					
Assignments		0					
Attendance		0					
Recitations		0					
Projects		0					
Final Exam		1					
		Total					
ECTS Points and Worl	k Load						
Activity	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							
Projects							
Final Exam	1	3	3				
	62						
	2						
Learning Outcomes							
2 To le	To learn the causes and measures to be taken to prevent accidents at work and occupational diseases						



		COURSES	YLLABUS				
Students sha	ll adopt risk, p	revention, and	safety culture				
To learn the causes of work-related accidents and the measures to be taken in Ship Building Industry							
Students shall understand Engineer's responsibility the terms of occupational safety							
nt							
Theoretical framework, definitions and scope of occupational health and safety. Cost of							
	occupational accidents and illnesses						
-	ne risky fields-s	ectors of Turke	y in OHS				
	Causes of occupational accidents and illnesses: physical, ergonomic, chemical, biological, individual and psycho-social risks						
Components of preventive OHS approach: Risk Assessment and Management, Ergonomic							
	Components of preventive OHS approach: OHSAS 18001 Management System, Training, Regular						
	National and international standartds and conventions in OHS. The legal arrangements concerned						
Midterm Exa	Midterm Exam						
	The definitions, scope and juridical results of employer, employee, employer agent, workplace, subcontractor, occupational accident, occupational illness.						
The regulatio	The regulations and guidelines on OHS: Occupational Health and Safety Regulation.						
						e Regulation	
			agent (engine	er-OHS expert)	about occupat	ional	
		occupational a	ccidents and ill	nesses, the mos	t frequent acc	idents and	
Case studies	and court deci	sions of Court o	of Appeals.				
f Learning Outo	comes to Prog	ram Objectives	(1-5)				
P1	P2	Р3	P4	P5	P6	P7	
5	5	5	5	5	5	5	
	I and the second	The second secon	T. Control of the Con	1			
	To learn the conductory Students shadent Theoretical froccupational Economical denterprises Analysis of the Causes of occupations, Components Precautions, Components Precautions, Components Analysis of the Midterm Exa The definition subcontractory The regulation The Regulation Workplace Responsibility accidents and Analysis of the illnesses and Case studies If Learning Outcome P1	To learn the causes of work Industry Students shall understand Beauty Students and Economical dimensions of Cocupational accidents and Economical dimensions of Coenterprises Analysis of the risky fields-students Students of Components of preventive Precautions, Organizing the Components of preventive Sanitary Control ve Occupa National and international swith OHS in Turkey: OHS in Midterm Exam The definitions, scope and judeling The Regulations and guideling The Regulation on Heavy are on Workplace Health and Subcontractor, occupational Subcontractor, occupatio	Students shall adopt risk, prevention, and so learn the causes of work-related accide Industry Students shall understand Engineer's responsibilities of employer and employer accidents and illnesses subcontractor, occupational accident, occupational and illnesses of preventive OHS in Acts Midterm Exam The definitions, scope and juridical results subcontractor, occupational accident, occupations and guidelines on OHS: Occupations and guidelines on OHS: Occupations of the regulations of preventive of the results subcontractor, occupational accident, occupations and guidelines on OHS: Occupations and guidelines on OHS: Occupations and guidelines on OHS: Occupations and employer accidents and illnesses; case studies. Analysis of the statistics on occupational accidents and illnesses and precautions. Case studies and court decisions of Court of Learning Outcomes to Program Objectives	Industry Students shall understand Engineer's responsibility the term Theoretical framework, definitions and scope of occupation occupational accidents and illnesses Economical dimensions of occupational accidents and illnenterprises Analysis of the risky fields-sectors of Turkey in OHS Causes of occupational accidents and illnesses: physical, eand psycho-social risks Components of preventive OHS approach: Risk Assessmenter Precautions, Organizing the OHS Activities Components of preventive OHS approach: OHSAS 18001 Sanitary Control ve Occupational Physician, OHS on employ National and international standartds and conventions in with OHS in Turkey: OHS in Acts Midterm Exam The definitions, scope and juridical results of employer, esubcontractor, occupational accident, occupational illness The regulations and guidelines on OHS: Occupational Heal on Workplace Health and Safety Units and Common Health Responsibilities of employer and employer agent (engine accidents and illnesses; case studies. Analysis of the statistics on occupational accidents and illnesses and precautions. Case studies and court decisions of Court of Appeals. If Learning Outcomes to Program Objectives (1-5)	To learn the causes of work-related accidents and the measures to be tal Industry Students shall understand Engineer's responsibility the terms of occupational students shall understand Engineer's responsibility the terms of occupational accidents and illnesses Economical framework, definitions and scope of occupational health and occupational accidents and illnesses Economical dimensions of occupational accidents and illnesses, importar enterprises Analysis of the risky fields-sectors of Turkey in OHS Causes of occupational accidents and illnesses: physical, ergonomic, cher and psycho-social risks Components of preventive OHS approach: Risk Assessment and Manager Precautions, Organizing the OHS Activities Components of preventive OHS approach: OHSAS 18001 Management Strainary Control ve Occupational Physician, OHS on employing process National and international standartds and conventions in OHS. The legal with OHS in Turkey: OHS in Acts Midterm Exam The definitions, scope and juridical results of employer, employee, employed subcontractor, occupational accident, occupational illness. The regulations and guidelines on OHS: Occupational Health and Safety Fills and Common Health and Safety Units and Common Health	Students shall adopt risk, prevention, and safety culture To learn the causes of work-related accidents and the measures to be taken in Ship Bui Industry Students shall understand Engineer's responsibility the terms of occupational safety Theoretical framework, definitions and scope of occupational health and safety. Cost of occupational accidents and illnesses Economical dimensions of occupational accidents and illnesses, importance of OHS for enterprises Analysis of the risky fields-sectors of Turkey in OHS Causes of occupational accidents and illnesses: physical, ergonomic, chemical, biologica and psycho-social risks Components of preventive OHS approach: Risk Assessment and Management, Ergonom Precautions, Organizing the OHS Activities Components of preventive OHS approach: OHSAS 18001 Management System, Training Sanitary Control ve Occupational Physician, OHS on employing process National and international standartds and conventions in OHS. The legal arrangements with OHS in Turkey: OHS in Acts Midterm Exam The definitions, scope and juridical results of employer, employee, employer agent, wo subcontractor, occupational accident, occupational illness. The regulation on Heavy and Hazardous Work, The Regulation About OHS Training, The on Workplace Health and Safety Units and Common Health and Safety Units. Responsibilities of employer and employer agent (engineer-OHS expert) about occupat accidents and illnesses; case studies. Analysis of the statistics on occupational accidents and illnesses, the most frequent accillnesses and precautions. Case studies and court decisions of Court of Appeals.	



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Contribution Level 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High							
Compiled by:							
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