

DEPARTMENT OF CIVIL ENGINEERING  
COURSE SYLLABUS

Course Details						
Code			Academic Year			Semester
ISG002			4			Fall
Title			T	A	L	ECTS
Occupational Health and Safety II			2			2
Language	German					
Level	Undergraduate	✓	Graduate		Postgraduate	
Department / Program	Mechatronic Systems Engineering					
Forms of Teaching and Learning	Formal					
Course Type	Compulsory	✓	Elective			
Objectives	Students gain an understanding of the basic terms relating to occupational safety, the duties of the engineer and the manager. The ability to communicate with a specialist for occupational safety is trained.					
Content	The module is based on practical examples in occupational safety introduced. The following topics are particularly relevant: 1) Basic terms of occupational safety 2) Risk factors 3) Accident prevention procedures 4) Health protection 5) Fire and explosion protection					
Prerequisites	--					
Coordinator	--					
Lecturer(s)	Dipl.-Ing. J. KUNTZE, Arş. Gör. Dr. Ö. F. AYDIN					
Assistant(s)	--					
Work Placement	--					
Recommended or Required Reading						
Books / Lecture Notes	„Praxishandbuch Arbeitssicherheit: Rechtliche und technische Grundlagen, Praktische Umsetzung, 60 Checklisten“, Christian Mag. (FH) Bayer und Andrea Mag. Schwarz-Hausmann MBA LL.M					
Other Sources	Lecture Notes					
Additional Course Material						
Documents						
Assignments						
Exams						
Course Composition						
Mathematics und Basic Sciences					%	

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Engineering	30	%
Engineering Design		%
Social Sciences		%
Educational Sciences		%
Natural Sciences	30	%
Health Sciences		%
Expert Knowledge	10	%

**Assessment**

Activity	Count	Percentage (%)
Midterm Exam	1	30
Quiz		
Assignments	1	30
Attendance		
Recitations		
Projects		
Final Exam	1	40
<b>Total</b>		<b>100</b>

**ECTS Points and Work Load**

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
<b>Total Work Load</b>			<b>62</b>
<b>ECTS Points(Total Work Load / Hour)</b>			<b>2</b>

**Learning Outcomes**

1	Students gain an understanding of the basic terms relating to occupational safety, the duties of the engineer and the managerial staff.
2	Ability to communicate with an occupational safety specialist.
3	

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12	

**Weekly Content**

1	Fire Protection.
2	Fire Protection.
3	Explosion Protection: Gas/vapor, Dust.
4	Explosion Protection: Gas/vapor, Dust.
5	Personal Protection Equipment.
6	Personal Protection Equipment.
7	Ladders, steps, scaffolds.
8	Midterm Exam.
9	Hoisting equipment.
10	Reserve.
11	Risk Analysis.
12	Health & Safety signs.
13	Medical exams obligatory and voluntary, hints for first aid.
14	Medical exams obligatory and voluntary, hints for first aid.
15	

**Contribution of Learning Outcomes to Program Objectives(1-5)**

	P1	P2	P3	P4	P5	P6	P7
1		3		3		5	5
2		3		3		5	5
3							
	P8	P9	P10	P11	--	--	--
1	5	5	5				
2	5	5	5				
3							

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Contribution Level		1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High					
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Compiled by:		Dr. Ömer Faruk Aydın					
Date of Compilation:		17.05.2022					