

COURSE SYLLABUS Vocational School

Course Code		Course Title			Credits (T-P-L)			ECTS		
ISG-217		Risk Analysis and Assessment			(1-1-2)			6		
Prer	equisites	None								
Language of Instruction		Turkish Mode of Delivery			Face-to-face					
Course Type and Level Compulsory / Fall Semester / Associate Degree										
Instr	uctor		Class Hours Office Hour			5	İletişim			
	Le	cturer Ayşe Tazegül	Monday 10:15– 11:45	Tuesday-Thursday 10:00-16:00			ayseercan@cag.edu. tr			
Course Coordinator Lecturer Ayşe Tazegül										
	Learning Outcomes									
						Relations		tions		
	Upon suc	ccessful completion of this course, the	be able to:			gram comes	Contribution			
es	1	Define basic concepts such as risk, severity, and risk matrix.	1,2		5,5					
urse Learning Outcomes	2	Recall the risk assessment obligation Occupational Health and Safety and	1		5					
ng Ot	3	Explain the stages of the risk asses identification, risk analysis, risk conf	1,2		5,5					
arni	4	Compare the logic of different risk a	1,2		5,5					
se Le	5	Interpret the importance of workplace the OHS management system.	1,2		5,5					
Cour	6	Calculate probability and severity va	1,2,4		5,5,4					
0	7	Fill out a risk assessment form in ac	1,2		5,5					
	8	Discuss the strengths and weaknes assessment methods.	1,2	2	5,5					
_	rse ective and cription	This course covers the process of risk analysis and assessment, one of the fundamental components of occupational health and safety management systems. Students gain theoretical knowledge and practical skills in hazard identification, risk determination, probability and severity calculations, and risk prioritization. Existing risk assessment methods (L-type matrix, Fine–Kinney, HAZOP, What-if, etc.) are examined, and their applications in different sectors are explained. The course focuses on the hierarchy of risk control, preventive and protective measures in line with legislation, emergency planning, and continuous improvement approaches. Additionally, through sample workplace applications and case studies, students learn to prepare risk assessment reports, interpret results, and develop decision-making processes to enhance OHS performance. By the end of the course, students are expected to achieve the knowledge and skills required to conduct effective workplace risk analyses, prioritize preventive measures, and prepare reports in compliance with legislation.								
		Course Contents	•			giolatic	/1 I.			
			•		•					



Week	Week Topic			Preparation		Teaching Method and Techniques		
1	Introduction to the course scope	e, objective	s, and	Review course syllabus, examine basic OHS legislation		Lecture, Discussion		
2	Basic concepts: Hazard, Severity	Risk, Prob	ability,		eview OHS minology	Lecture, Brainstorming		
3	Risk assessment in Law related regulations	No. 6331 a	nd	Re	ead Law No. 6331	Lecture, Q&A		
4	Classification of risks: Ph biological, ergonomic, ps			ma	oserve workplace, all, park, living eas, etc.	Brainstorming, Case Analysis		
5	Stages of the risk assess	ment proc	ess	ex	amine risk amples from ferent sectors	Lecture, Group Work		
6	Seminar (Speaker Invitat		OF as:	amining HS risk sessment amples	Application, Case study			
7	Fine-Kinney method and application examples			Fill	l out sample form	Problem Solving, Practical Work		
8	Midterm Exam							
9	Midterm Exam							
10	Technical Trip			on	onducting research OHS practices in spitals	Application, Case Study		
11	Risk control hierarchy and preventive measures			Lis	st control methods	Lecture, Discussion		
12	Current situation assessr observation (workshop/w examples)		eld	ma are	oserve workplaces, alls, parks, living eas, etc., identify zards and risks	Fieldwork, Practice		
13	Techniques for preparing reports	risk asses	sment		eview sample ports	Lecture, Q&A		
14	Risk assessment and rep	ort prepar	ation		eview sample ports	Group Work, Practical Study, Case Study		
15	Risk Assessment Sample Preparation	e Report	port		amining risk sessment chniques and field plications	Practical work, Lecture, Problem solving		
16	General review and seme	ster evaluation		an me	eview risk analysis d assessment ethods and gislation	Discussion, Q&A		
17	Final Exam							
18	Final Exam							
	Course Resources							
Course	Course Book Akyıldız, F. (2019, Nobel Publishing.				, 3rd Edition). Risk Management and Risk Assessment.			
		Directora	ate of Occupational Health and Safety (MoFLSS). Risk					
Assessment and Evaluation								
	Activity Number			but)	1 10 10 0			
Midterm	ı Exam	1	20		Written exam			



Participation / In-class Activities	10	Active participation in discussions, group work, and in-class activities					
Assignment 1		10	Group work, submission of risk assessment report				
Final Exam	60	Comprehensive written exam					
AKTS Tablosu							
Activity		Number	Hours	Total			
Class Duration	14	2	28				
Out-of-Class Study	14	6	84				
Assignments	1	8	10				
Presentation							
Project							
Midterm Exam (Exam + Preparation	1	26	26				
Final Exam (Exam + Preparation)		1	32	32			
	180						
	180 / 30 = 6						
	6						

