

COURSE SYLLABUS

Vocational School

Course Code	Course Title	Credits (T-P-L)	ECTS
ISG 222	Warning Signs, Labeling and Lockout	2-0-2	5
Prerequisites	None		
Language of Instruction	Turkish	Mode of Delivery	Face to face
Course Type and Level	Compulsory / 1st Year / Fall Semester		
Instructor	Class Hours	Office Hours	İletişim
Lecturer Ayşe Tazegül	-	Tuesday–Thursday 10:00–16:00	ayseercan@cag.edu.tr
Course Coordinator	Lecturer Ayşe Tazegül		

Learning Outcomes

Course Learning Outcomes	Upon successful completion of this course, the student will be able to:		Relations	
			Program Outcomes	Contribution
	1	Defines the types of occupational safety warning signs (prohibition, warning, mandatory, emergency exit, fire, etc.) / Recalls the basic concepts of the Labeling and Lockout (LOTO) system.	1,2	5,5
	2	Explains the meanings of colors and symbols in warning signs / Interprets the importance of labeling and lockout in preventing workplace accidents.	1,2	5,5
	3	Applies correct warning signs in the work area / Implements a lockout procedure for simple machinery or equipment.	1,2	5,5
	4	Analyzes risks that may arise from incorrect or missing warning signs / Evaluates workplace accidents resulting from the absence of labeling and lockout.	1,2	5,5
	5	Designs workplace-specific warning boards and labeling plans / Creates a step-by-step checklist for a LOTO procedure.	1,2	5,5
	6	Evaluates existing marking and lockout systems in the workplace.	1,2	5,5
	7	Critically examines compliance with legislation and standards.	1,2	5,5

Course Objective and Description

The Warning Signs, Labeling and Lockout course covers the visual, written, and technical control methods used to ensure worker safety in workplaces.

This course discusses the meanings of standard-compliant warning signs and symbols, color codes, safety boards, and labeling systems for chemical and physical risks (GHS/CLP) within the scope of occupational health and safety.

In addition, lockout-tagout (LOTO) procedures applied to control energy sources during maintenance and repair, related legal regulations, safe application steps, equipment, and field examples are examined.

By the end of the course, students learn the importance of warning systems, labeling, and lockout in accident prevention and contribute to the development of a safe work culture.

Course Contents: (Weekly Course Plan)

Week	Topic	Preparation	Teaching Method and
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			Techniques
1	Importance of marking and labeling, basic concepts	Review lecture notes	Lecture, Q&A
2	Types of occupational safety warning signs	Short pre-reading	Discussion, Presentation
3	Color and symbol standards (TS, ISO, EU norms)	Review standards	Lecture, Case Study
4	Mandatory, prohibition, warning, and emergency exit signs	Review sample signs	Demonstration, Practical Work
5	Fire-related signs and evacuation boards	Bring visual examples	Lecture, Group Work
6	Labeling in machinery and equipment	Review sample labels	Lecture, Practice
7	Introduction to Lockout (LOTO) systems	Review short article	Demonstration, Role Play
8	Midterm Exam		
9	Midterm Exam		
10	LOTO procedure steps (preparation, locking, testing)	Read the LOTO guide	Demonstration, Practice
11	Identification of energy sources (electrical, mechanical, hydraulic, etc.)	Prepare case examples	Lecture, Discussion
12	Tools and equipment used in labeling and lockout	Review equipment	Demonstration, Practical Work
13	Incorrect labeling/lockout examples and their consequences	Research case examples	Case Analysis, Group Work
14	Preparing workplace-specific warning and labeling plans	Short pre-reading	Practical Work, Group Work
15	Responsibilities and communication in LOTO procedure	Prepare topic summary	Discussion, Presentation
16	Student presentations	Presentation preparation	Lecture, Q&A
17	Final Exam		
18	Final Exam		

Course Resources

Course Book	Selek, H. S. (2022). Fundamentals of Occupational Health and Safety (OHS): Theory – Practice – Regulation. Seçkin Publishing.
Recommended Resources	Tuna, M. E. (2021). <i>Occupational Health and Safety for Engineers and Architects</i> . Seçkin Publishing.

Assessment and Evaluation

Activity	Number	Contribution (%)	Notes
Midterm Exam	1	20	Written exam
Assignment	1	10	Individual report
Presentation	1	10	Group presentation / poster work
Participation / In-Class Activities	1	10	Active participation in discussions, group work, and class activities
Final Exam	1	50	Comprehensive written exam

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Activity	Number	Hours	Total
Class Duration	14	3	42

Out-of-Class Study	14	3	42
Assignments	1	8	8
Presentation	1	8	8
Participation / In-Class Activities	1	8	8
Midterm Exam (Exam + Preparation)	1	18	18
Final Exam (Exam + Preparation)	1	24	24
Total			150
Total / 30			150 / 30
ECTS Credit			5

