

COURSE IDENTIFICATION FORM

Course Code and Name: IM5036
OCCUPATIONAL HEALTH AND SAFETY IN
CONSTRUCTION INDUSTRY

Department of : CIVIL ENGINEERING / MASTER
PROGRAMME

| Semester | Theoretic Hour | Practice Hour | Total Hour | Credits | ECTS | Education Language | Type: Compulsory Elective |
|--------------|----------------|---------------|------------|---------|------|--------------------|---------------------------|
| Atumn/Spring | 3 | 0 | 3 | 3 | 5 | Turkish | Optional |

Prerequisite (s)

Instructor

Mail :
Web :

Course Assistant

Mail :
Web :

Groups / Classes

Course Aim

To be able to know the working conditions and characteristics in the Workplace, Workplace and Construction Sites,
To be able to know the issues of Occupational Health and Safety and Occupational Diseases in the legal legislation.

Course Goals

Course Learning Outs and Proficiencies

1. Knows the Occupational Health, Workplace, and Working Conditions and Characteristics in Construction Sites.
 - 1.1 Knows occupational health and safety legislation.
 - 1.2 Knows the working conditions and characteristics in construction sites.
2. Knows the Occupational Health and Safety legislation.
3. Knows occupational diseases.

Course Basic and Auxiliary Contexts

- All books, lecture notes, law texts, regulations, statutes, precedents, rulings, legislation and writings related to the course are the main sources.
- All other practical, sample, institutional, personal books, lecture notes, directives, regulations, statutes, specifications, printed and written legislations related to the subject.
- İsmail Necdet AYGÜN, Occupational Health and Safety
- Prof. Dr. Abdulvahap YİĞİT, Occupational Safety and Health.
- Ali Naci YILDIZ, Occupational Health and Safety
- Firuzan BAYTOP, Construction Site Management
- Mazlum BİRECİKLİ, Construction Site Technique and Work

Safety in Construction Site.

Methods of Give a Lecture

Narrative, research, observational and experimental studies

Assessment Criteria

Midterm Exam

**If Available, to
Sign (x)**

**General Average
Percentage (%) Rate**

X

50

1. Quiz

2. Quiz

3. Quiz

4. Quiz

Oral Examination

**Practice Examination
(Laboratory, Project etc.)**

Final Exam

X

50

Semester Course Plan

Week

Subjects

1

Introduction, Environmental awareness, Work and Worker Health, Work Accidents, General introduction of Occupational Diseases

2

Legal and administrative regulations on the environment. Responsibilities for the managers and the managed.

3

Public institutions and organizations related to the environment, their duties and authorities, and their fields of work.

4

Introduction to environmental law, relevant regulations and statutes

5

Solid, Liquid and Gas Waste Management, rules and conditions (institutional documents, papers and writings),

6

Worker Health in Construction Sites, Workplace, Working Conditions and Characteristics in Construction Sites

7

Introduction to Work Safety in buildings and other structural work environments, Risks

8

Midterm Exam

9

Types of accidents resulting in crushing, compression, impact, soft tissue trauma

10

Workplace risks, working conditions, protective measures, equipment in construction

| | |
|-----------|--|
| | and work machines |
| 11 | Working conditions, risks and characteristics, protection in closed environments (such as galleries, wells, tunnels and corridors) |
| 12 | Use of explosives, working conditions and environments with pressure vessels and tubes, their characteristics, protection |
| 13 | Occupational Health and Safety, Occupational Disease documents, rules and conditions in legal and administrative media |
| 14 | Final Exam |