TISHK INTERNATIONAL UNIVERSITY
FACULTY OF ENGINEERING
Department of CIVIL ENGINEERING,
2020-2021 Spring
Course Information for CE 440 CONSTRUCTION SITE MANAGEMENT AND SAFETY CONTROL

Course Name:	CONSTRUCTION SITE MANAGEMENT AND SAFETY CONTROL

Code	Regular Semester	Theoretical	Practical	Credits	ECTS
CE 440	8	3	-	3	

Name of Lecturer(s)-Academic Title:	Haval Salih -
Teaching Assistant:	Haval M Salih
Course Language:	English
Course Type:	Area Elective
Office Hours	11:00 am-15:00 pm
Contact Email:	havalcm1@gmail.com Tel:+9647504626339
Teacher's academic profile:	MSc at Construction Management....
Course Objectives:	The main objectives are: Enhancing people awareness about safety of workplace and health of worker. Overviewing OSHA. Improving soft-skills of students.
Course Description (Course overview):	This course introduces Construction site management and safety control. The course will emphasize on designing facility site layout and introducing OSHA. Other topics covered include HIRAC, safety performance, safety culture, accident in construction industry and ergonomic. Students will be learned how to use strategies to evaluate the risks and mitigate their impacts on people in construction industry.

COURSE CONTENT

Week	Hour	Date	Topic
1	3	31/1-4/2/2021	Introduction; Teaching methodology and course outline
2	3	7-11/2/2021	introduction of safety & OSHA
3	3	14-18/2/2021	Ergonomics Program; ERF
4	3	21-25/2/2021	Ergonomics injury; Case studies
5	3	28/2-4/3/2021	Safety programs at construction work
6	3	7-11/3/2021	Signs, Signals, & Barricades; Fire Protection and Prevention for Construction
7	3	28/3-1/4/2021	Hand and Power Tool Safety; Motor Vehicles & Mechanized Equipment
8	3	4-8/4/2021	Steel erecting; Construction health and safety checklist
9	3	11-15/4/2021	Midterm Exam
10	3	18-22/4/2021	Midterm Exam
11	3	25-29/4/2021	Site Visiting
12	3	2-6/5/2021	OSHA Benchmarking; Accident Theory
13	3	9-13/5/2021	Managing the Risk of Falls At Workplaces; Stress in Construction
14	3	16-20/5/2021	Definition Site Layout Planning
15	3	23-27/5/2021	Design of site layout planning
16	3	30/5-3/6/2021	Revision
17	3	6-10/6/2021	Final Exam

18	3	13-17/6/2021	Final Exam

COURSE/STUDENT LEARNING OUTCOMES

1	Acquire and develop an in-depth knowledge of ERGONOMICs Program
2	Acquire and develop an in-depth knowledge of accident in construction, especially fall
3	Analyse and critically examine cases related to construction accidents thus empower the student to develop HSE corporate plan
4	Apply and interpret the contractual requirements surrounding the commonly-used standard forms of construction OSHA
5	Acquire and develop an in-depth knowledge related to Construction site management

COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES

(Blank : no contribution, I: Introduction, P: Profecient, A: Advanced)

	Program Learning Outcomes	**Cont.**
1	Apply principles of mathematics, science, and engineering	P
2	Design and conduct experiments, as well as analyze and interpret data accurately.	
3	Design an engineering system, component, or process to meet desired industrial needs.	P
4	Identify, formulate and solve complex engineering problems	P
5	Apply, in design and construction, the most modern design codes, standards and specifications such as; AISC, ACI, ASCE 7, IBC, etc.	
6	Use the techniques, skills, and modern engineering tools, such as surveying instruments, and designing software that are necessary for engineering practices.	A
7	Apply knowledge and skills in construction project management and recognition of international standards and methodologies	P
8	Manage to work with multi-disciplinary teams and communicate effectively.	I
9	Identify the moral values that ought to guide the Civil Engineering profession and resolve the moral issues in the profession.	I
10	Apply the principles of sustainable development in their professional duties which go in line with the paramount safety, health and welfare of the public.	I
11	Analyze the impact of engineering solutions in a global and social context	A
12	Identify the need and have the ability to engage in lifelong learning and knowledge of contemporary issues.	I

Prerequisites (Course Reading List and References):	OSHA HSE https://www.osha.gov/laws-regs/federalregister/1993-06-30 https://osha.europa.eu/en/about-eu-osha/national-focal-points/france https://www.jniosh.johas.go.jp/en/index.html
Student's obligation (Special Requirements):	OSHA HSE
Course Book/Textbook:	OSHA
Other Course Materials/References:	JICOSH
Teaching Methods (Forms of Teaching):	Lectures, Presentation, Seminar, Project, Assignments, Case Studies

COURSE EVALUATION CRITERIA

Method	**Quantity**	**Percentage (%)**
Attendance	10	0.5
Participation	5	1
Homework	10	1.5
Project	3	7
Midterm Exam(s)	1	14
Final Exam	1	40
Total		**100**

Examinations: True-False, Multiple Choices, Short Answers, Matching

Extra Notes:

ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD

Activities	Quantity	Workload Hours for 1 quantity*	Total Workload
Theoretical Hours	18	3	54
Practical Hours	18	0	0
Final Exam	1	7	7
Attendance	10	3	30
Participation	5	1	5
Homework	10	1	10
Project	3	5	15
Midterm Exam(s)	1	4	4
Total Workload			**125**
ECTS Credit (Total workload/25)			**5**

Peer review

Signature:	Signature:	Signature:
Name:	Name:	Name:
Lecturer	Head of Department	Dean