

Course Code	Course Name	Year/Semester	Theory	Practice	Credits	ECTS
IAED 4305	Occupational Safety and Health - I	2020-2021 / Fall	2	-	3	3

Level of Course: Undergraduate

Course Type: Theory & Practical

Language of

Instruction: English

Course time: 09:00-11.00 – Monday

Course classroom: A1-04-05

Mode of Delivery: Class Teaching, Theory & Practical

Prerequisites and Prerequisites: None

Co-requisites: Co-requisites: None

Course Coordinator: Asst. Prof. Dr. M. Fatih AK-Office AG 05- fatih.ak@antalya.edu.tr

Name of Lecturer(s): Asst. Prof. Dr. M. Fatih AK

Course Teaching

Assistant: -

Course Objectives:

The aim of the course; awareness of students about occupational health and safety, learning tasks, responsibilities and legal rights in business life. It is also aimed to gain a culture of occupational safety and awareness in order to work in a healthy and safe environment.

Course Description:

Concept of occupational health and safety, holistic approach to occupational health and safety; a culture of risk prevention at work; the importance of safety culture and its place in everyday life; ensuring the creation and continuity of safety culture; basic principles of occupational health and safety; place of occupational health and safety in business management, healthy and safe life. Hazard and Risk Concepts, Legal Legislation, Risk Analysis and Methods. Worker-machine environment systems, design and development for consumer products, systems, devices and the working environment. To design by considering human performance, anatomical, physiological and psychological capacities and limits. Use anthropometric data in the design of indicators and controls. The effects of environmental stresses on the working environment, safety and health. Occupational accidents data, reasons for accidents, precautions to be taken, legal responsibilities imposed by the employment security law to the employer and the employee.

Learning Outcomes:

- Understand basic occupational health and safety concepts
- Access to knowledge and practice skills that contribute to occupational health and safety culture
- Designing with occupational health and safety priorities
- Taking a proactive approach to prevent work accidents
- Become a part of occupational health and safety risk assessment and management process

Language: *The exams and projects will be in English.*

Text Books: -

Recommended Text Books:

1. ILO standards on occupational safety and health: promoting a safe and healthy working environment: International Labor Office, (2009)
2. Hopkins, Andrew (2019). Organising For Safety: how structure creates culture. S.I.: CCH AUSTRALIA.
3. Demircioğlu, Murat " Ulusal ve Uluslararası Hukukta İş Güvenliği Uzmanlığı " , Beta Basım Yayım , (2013)

Reading Text books:

- Nag, Pranab Kumar (2019). Office buildings: health, safety and environment. Singapore: Springer.
- Altın, Mustafa; Taşdemir Şakir "İSG İş Sağlığı ve Güvenliği " , Eğitim Yayınevi, (2017)

Planned Learning Activities and Teaching Method: **Learning/Teaching Method:** The expected learning outcomes for the course will be assessed through: Group Presentations, a Midterm Project, Final Exam and feedback.

Assignments: Students are required to do powerpoint presentation in a group work throughout the semester.

Class Participation: Regular attendance of all enrolled classes is expected. Do not be late to the class. Attendance will be taken through your signature within the first quarter of the class; if you come later you will be considered absent. At the end of the Semester, your attendance will be reported on UBS system. Attendance is compulsory and in case of absenteeism of more than 30%, the system will automatically grade you "FX". If you miss a class, it is your responsibility to 'make up' all work, including items discussed in class. Class contribution will be measured in terms of quality not quantity. If you need to leave early for whatever reason, you should exercise politeness and notify your professor at the commencement of the session.

Academic integrity & plagiarism: Academic integrity is the pursuit of scholarly activity based on the values of: honesty, trust, fairness, respect and responsibility. Practicing academic integrity means never plagiarizing or cheating, never misrepresenting yourself, never falsifying information, never deceiving or compromising the work of others. Basically this means, either intentionally or unintentionally, using the words or ideas of someone else without giving credit, it's strictly forbidden.

Course Text books: There is no specific textbook for this course.

Key Works: this course is based on occupational safety and health related works.

Specific Rules:

1. **Be punctual. Punctuality is a sign of respect toward yourself and the others.**
2. Show respect for all the people and property around you.
3. Be responsible for your actions and meet all expectations.
4. Follow directions the first time they are given.
5. Students should raise their hand to signal a question or to answer a question.
6. Students should use the Internet at school for academic purposes only.

7. It is forbidden to record classes with any type of device.

Communication: Students are encouraged to visit the professor during their Office Hours. If you cannot make it to announced office hours, please make individual arrangements via e-mail. However, do not expect the professor and the research assistant to respond at length via e-mail to questions of content, definition of terms, grading questions etc. If you have a question that requires a substantive response please set up an appointment to speak with one of us.

**Course Contents*:
(Weekly Lecture Plan)**

Date	Week	Chapter Topic	Take-home exercise
05.10.20	1	Introduction to the Course	-
12.10.20	2	Occupational Safety Concept	-
19.10.20	3	Occupational Health Concept	Research project-Defining of project title
26.10.20	4	Occupational Health and Safety Legislation	-
02.11.20	5	Risk and Hazard Concepts	Research project-Introduction part
09.11.20	6	Risk and Hazard Concepts	-
16.11.20	7	Responsibilities of Interior Architects for Occupational Health and Safety	Research project-Literature Review part
	8	MIDTERM PROJECT	
30.11.20	9	Responsibilities of Interior Architects for Occupational Health and Safety	Research project-Application part I
07.12.20	10	Work Accidents and Statistics	Research project-Application part II
14.12.20	11	Work Accidents and First Aid	Finalize the project
21.12.20	12	Work Accidents and First Aid	-
28.12.20	13	Student Presentations	-
04.01.21	14	Final Review	

FINAL EXAM

*PLEASE NOTE: Details of the syllabus and course schedule are subject to minor changes; that be announced in class.

Grading: Midterm, Final and Class Performance will be evaluated.

Assessment Methods and Criteria :

METHODS	EFFECTS ON GRADING
Quizz(es)	% 10
Midterm Project	% 40
Final Exam	% 50
	100

ECTS Workload Table :

ACTIVITIES	NUMBER	HOUR	WORKLOAD
Course Teaching Hours	13	2	26
Self-study for Midterm Project	1	20	20
Midterm Project Pre-Assessment	1	4	4
Self-study for Final Exam	1	25	25
Total Workload			75
Total workload/25			75/25
ECTS			3

GRADING AND EVALUATION

The students' progress will be evaluated throughout the semester.

Grade Scale:

GRADE	MARKS	VALUE	GRADE	MARKS	VALUE
A+			C+	60-64	2.30
A	95-100	4.00	C	55-59	2.00
A-	85-94	3.70	C-	50-54	1.70
B+	80-84	3.30	D+	45-49	1.30
B	75-79	3.00	D	40-44	1.00
B-	65-74	2.70	F	0-39	0.00

❖ Before office visit you have to send an email to the instructor.