

Theoretical and practical course plan form - Ilam University of Medical Sciences

Course introduction: Occupational health; First semester 2020-2021

School: Health. Department: Occupational Health Engineering and Occupational Safety

* Course name and number: Occupational health - Course number. 31

* Field and degree: Continuing bachelor's degree

* Day and time: Sunday: 12-10

* Venue: School of Health

* Name of the person in charge of the course (course instructor): Dr. Abbasi

* Prerequisite courses: None

* Office address: School of Health, Department of Occupational Health

* Address: am.abbasi@yahoo.com

The general purpose of the lesson: to get acquainted with the issues and problems of workers and work environments

- Behavioral goals (behavioral goals have an audience, behavioral verb, degree and criteria and conditions of performance)

1- Know the definitions, goals and scope of occupational health practice.

2- Define and introduce harmful environmental factors (physical, chemical, biological and ergonomic).

3- Recognize occupational diseases caused by carnage of harmful physical, chemical, biological and ergonomic factors.

4- Recognize diseases caused by biological factors in the workplace.

5- Know the causes of musculoskeletal disorders in the workplace.

6- Recognize mental disorders caused by stress and work shifts in the workplace.

7- Define and know the generalities of ergonomics (human factors).

8- Know the general methods of measuring the harmful factors of the work environment.

9- Define safety and accidents at work and know the ways to prevent accidents.

- Student assignments (student assignments during the semester). Conference presentation by students:

- - Attendance at training sessions and active participation in class discussions is mandatory.

- 2- Observance of ethical principles in the classroom is mandatory.

- 3- Presenting a conference or research related to the topics of the course

4. Participate in visits and submit visit reports in connection with the subject of the lesson

- Main sources (observing the principles of source writing and giving an address for their preparation, including library, bookstore, internet,)

- 1- General occupational health, Dr. Alireza Choobineh

- 2- Principles of ergonomics, Hassan Sadeghi Naeini

- **teaching method:**

1- PowerPoint

2- Description of contents and discussion

3- Discussing an issue in each session

4- Presenting a conference or research by students learning assist tools

1. Using a computer and projector

2- Using magic and whiteboard

3. Use of beam measuring devices

- Methods and time of assessment and evaluation of the student and the burden related to each evaluation:

Method	Score	Date	Time
Comparative evaluation (at the end of the semester) will be done	70	Announcement by the faculty of education	

by holding a written exam. The questions will be descriptive, test and blank.			
In order to formally evaluate (during the semester), midterm exams and class quizzes will be held.	30		
total	100		

Lesson rules and expectations from students. Attendance and accompanying charts and nomograms in class

Curriculum presentation schedule. Human Factors Engineering. Second semester 2020-2021

session	Time	Topic	Lecturer	Necessary preparation of students before the start of the class
1	10-12	Definitions, goals and scope of occupational health practice	Dr. Abbasi	Study the topics discussed before the class
2	10-12	Physical and chemical harmful factors in the workplace	Dr. Abbasi	Study the topics discussed before the class
3	10-12	Biological and ergonomic harmful factors of the work environment	Dr. Abbasi	Study the topics discussed before the class
4	10-12	Occupational diseases caused by carnage from harmful physical and chemical factors in the workplace	Dr. Abbasi	Study the topics discussed before the class
5	10-12	Occupational diseases caused by carnage from harmful biological and ergonomic factors in the workplace and ways to prevent them	Dr. Abbasi	Study the topics discussed before the class
6	10-12	Musculoskeletal disorders in the workplace and ways to prevent it	Dr. Abbasi	Study the topics discussed before the class
7	10-12	Mental disorders caused by stress and work shifts in the workplace and ways to prevent them	Dr. Abbasi	Study the topics discussed before the class
8	10-12	midterm exam	Dr. Abbasi	Study the topics discussed before the

				class
9	10-12	Generalities about human factors	Dr. Abbasi	Study the topics discussed before the class
10	10-12	General information about measuring and evaluating harmful factors in the workplace	Dr. Abbasi	Study the topics discussed before the class
11	10-12	Accidents at work	Dr. Abbasi	Study the topics discussed before the class
12	10-12	Workplace safety	Dr. Abbasi	Study the topics discussed before the class
13	10-12	Generalities about the prevention of work-related accidents	Dr. Abbasi	Study the topics discussed before the class
14	10-12	Solving problems class on topics discussed in previous sessions	Dr. Abbasi	Study the topics discussed before the class