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

Introduction to the course: Morphology and physiology of insects (theory), second semester, 2020-2021

School: Health Department: Biology and Disease Control

\* Course Name and Number: Insect Morphology and Physiology

- \* Course and Degree: Bachelor of Biology and Control of Disease Carriers Fourth Semester
- \* Day and time: Saturday 12 10
- \* Venue: Virtual training
- \* Name of the person in charge of the course (teacher): Ali Jalilian
- \* Prerequisite courses: None

\* Office address: First floor of the School of Health - end of the corridor on the left

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\* Email address: alijalilian88@yahoo.com

**General Objective of the lesson**: Familiarity with the external and internal morphology of insects and the physiology of different organs

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

1- Students should know the functions of different organs in the body of insects.

- 2- Students can identify different organs of insects.
- Student duties (student homework during the semester):
- Study lessons during the semester
- Active attendance at class
- Perform assigned tasks
- Readiness to answer questions raised from previous sessions

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

1- Principles of insect morphology and physiology Ebrahim Bagheri Zanouz

2- Entomology (physiology and morphology), first volume of Mahmoud Shojaei

• **Teaching methods and teaching aids used**: lecture, slide show, sample display, display equipment, whiteboard, video projector and laboratory

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

Method

Regular and active attendance at class 1score

Q&A class 1 score

End of semester exam 18 score

## Lesson rules and expectations from students

## Insect morphology and physiology curriculum for the second semester 2020-2021

Session	Date/time	Торіс	Lecturer	Necessary preparation of students before the
1	Saturday 10-12	Introduction and History	Ali jelilian	start of the class
2		Cover morphology and its applications		Study the lesson of the previous session
3		Morphology of the head and its appendages		
4		Morphology of the head and its appendages		
5		Breast morphology and its appendages		
6		Breast morphology and its appendages		
7		Morphology of the abdomen and its appendages		
8		Skeletons and muscles		
9		digestive system		
10		The circulatory system		
11		Disposal device		
12		Respiratory System		
13		nervous system		
14		Sensory organs and reproductive system		
15		Hormones and pheromones		
16		Growing and peeling		
17		End of semester exam		