

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

Introduction to the course: Morphology and physiology of insects (practical) 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: Wednesday 12 – 10

\* Venue: Laboratory

\* Name of the person in charge of the course (course instructor): Ali Jalilian

\* Prerequisite courses: None

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

Phone: 09188423855

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**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.

3- Students can describe different organs of insects.

• **Student duties** (student homework during the semester):

• Practical work in the laboratory and drawing the various organs and organs presented in the class

• 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:**

Scoring method

Regular and active attendance      score 1

FAQ      score 1

End of semester exam      score 18

Lesson rules and expectations from students

**Schedule of presenting the morphology and physiology curriculum of the second semester 2020-2021**

Session	Time	Topic	Lecturer	Necessary preparation of students before the start of the class
1	Wednesday 10-12	Introduction to different arthropods and the physical structure of the body	jelilian	Study the lesson of the previous session
2		Cover morphology and external organs		
3		Morphology of the head and its appendages		
4		Breast morphology and its appendages		
5		Morphology of the abdomen and its appendages		
6		kitotaxy		
7		Description of the gastrointestinal tract		
8		Description of the gastrointestinal tract		
9		Description of oral parts		
10		Types of insect wings		
11		Types of tentacles		
12		Types of feet		
13		eyes		
14		Genital appendages		
15		End of semester exam		