

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

Introduction to the course: Classification of insects and their role (theoretical)

\* Semester: Second 2020-2021

\* School: Health

\* Department: Biology and Carrier Control

\* Name and lesson number: Classification of insects and their role (theoretical) Code 26

\* Field and degree: Continuing Bachelor of Biology and Carrier Control

\* Day and time: Monday 13-10

\* Venue: Virtual

\* Name of the person in charge of the course (teacher): Jalali

\* Prerequisite courses: None

\* Office address: Second floor of the School of Health

\* Email address: [g\\_jalali\\_a@yahoo.com](mailto:g_jalali_a@yahoo.com)

\* **The general purpose of the lesson:** Familiarity with the principles of classification of the end paragraph and insects and their different classes (orders and families) and their characteristic traits

\* **Specific or partial objectives of the course:**

1. Familiarity with classification and its history
- 2- Familiarity with the principles of classification, naming and description of insects
- 3- Awareness of the role of insects of different orders and groups in human life
- 4- Familiarity with different orders and families of insects and their common and different traits
- 5- Familiarity with insect collection methods and their identification

\* **Student duties:** (Student homework during the semester)

Study previous lessons and provide the necessary exercises (preparation of insect division tables, drawing the typical shape of different insects)

**\* Main lesson resources:**

- 1- Insect collection and identification guide, Seyed Hassan Hojjat, Amir Kabir Publications
- 2- Classification of insects and their role, Mojgan Bani Ardalán, Zheng Publishing
- 3- Principles of Insect Classification, Ali Naghi Mir Moayedi, Razi University Press
- 4- Methods of collecting, maintaining and examining insects, Hassan Maleki Milani, Pishtaz Alam Publications
- 5- Generalities of Insect Classification, Dr. Kouros Azizi, Hormozgan University of Medical Sciences
- 6- Borror, Delong; "An Introduction to Study of Insects"

**\* Teaching methods + teaching aids used:**

Lecture - Whiteboard and PowerPoint (slideshow)

Reproduction and distribution of necessary sheets such as diagrams or tables or figures among students

**Curriculum presentation schedule (insect classification) second semester 2020-2021**

Session	Time	Topic	Lecturer	Necessary preparation of students before starting
1	10-13	History of classification and its importance	Jalali	
2		Principles of naming, identification and classification		
3		Specifications and classification of arthropods		
4		Specifications and classification of insects		
5		Comparison of wingless and winged subcategories		Prepare a classification table
6		Strictly winged order( Coleoptera))		
7		The order of the scales(Lepidoptera)		
8		Order of Hymenoptera( Hymenoptera)		
9		Right orthoptera and cockroaches		
10				

		Diptera		
11		Fleas (Siphonaptera) and lice (Anoplura		Collect 20 insects
12		Hemiptera and Homoptera		
13		Odonata and Plecoptera		
14		Isoptera and Zoraptera		
15		Other orders Dermaptera, Embioptera, Trichoptera, Psocoptera and Mecoptera		
		End of semester exam		