

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Entomology
Course number	BIOL4335
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - Know the role of insect and other arthropods in the direct causation of disease in Human and animals , as a vector and transmission.
2 - Knowing the epidemiology and replication cycle of vector born disease.
3 - Study the most important disease transmitted or caused by each type.
4 - Knowledge of the most important tools used for the prevention of the disease.

Intended Learning Outcomes

Knowledge and Understanding	* The student realize the damage caused by the insect and how control and Harm reduction.
Intellectual Skills	* Students appreciate the importance of medical insect. * Explain the relationship between insect and pathogen . * Evaluate the method of pest control.
Professional Skills	* Explain types of mouth part of medical insect through slides and processing models. * Discover the disease when visiting sites containing infected subjects . * Planning clinical trials to combat types of medical insect.
General Skill	* Learn the symptoms of the disease and how to diagnose by modern means Displays.

Course Contents

- 1 - Introduction of medical entomology.
- 2 - General characteristics of phylum arthropoda
- 3 - Cockroaches ,types , their relation ship to transfer disease.and control
- 4 - Mosquitoes general characteristic ,life cycle , internal anatomy .
- 5 - Mosquitoes, Medical important and control
- 6 - types of sucking blood flies
- 7 - Tsetse flies, Sand fly, black fly
- 8 - House fly, stable, latrine flies ,myasis
- 9 - Flies and lice
- 10 - Tickcs and mites-bed bugs, kissing bugs

Teaching and Learning Methods

- 1 - Theoretical lectures
- 2 - Field visits
- 3 - siminars
- 4 - discussion
- 5 - Display using available devices

Teaching and Learning Methods for the Disabled Students

- 1 - Additional lecture
- 2 - Cooperation education

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First hour exam	60minutes	20
Second hour exam	60minutes	20
Attendance and discussion		10
Final exam	120minutes	50

Books and References

Course note	Notes prepared by the lecturer
Essential books	Mike service (2008): medical entomology for students Cambridge university
Other References (Periodical, web sites, etc.)	Journal of medical entomology Journal of parasitology.

Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Introduction to medical entomology General characteristic of phylum arthropoda	1 1-2	Knowing the importance of this course.	explain the relationship between the insect and the disease transfer.	- Explain mouth part of different insect and how the insect use it for transfer the disease . -Learn about the different internal body system	Planning of clinical trials to combat types of medical insect
Cockroaches types and their relationship to transfer disease	3	Students have the ability to classify the insect and know the general characteristic of the insect.			
Mosquitoes general characteristics ,life cycle , internal anatomy of female.	4				
Mosquitoes Medical important and control	4-5	knowing the life cycle and reproduction	Explain the basics of medical control of insect	Learn about the different internal body system	
Sand fly, black fly,types-harms	6				
Tsetse flies	7	Explain the relationship between the insect and the pathogen.			
House fly, stable, latrine flies ,mysis	8-9				
Flies and lice	10-11				
Tickes and mites	11-12	knowing the life cycle and reproduction			