

Al-Al Bayt University
Faculty of Sciences
Biological Science

Course Title :Parasitology

Course Number :404414

Credit Hours :2

Pre requisite :

Placement :

Instructor:

Course Description :

General objectives :

1. To develop an understanding of and appreciation for the nature and evolution of parasitic associations.
2. To develop an understanding of the terminology used in parasitology.
3. To understand the ecology and life cycles of a variety of host-parasite associations.
4. To develop an understanding of the modifications (physiological, morphological, and behavioral) needed to assume a parasitic lifestyle.

Course outline :

Introduction

Parasitism as way of life,
General characteristics and classification of parasites.

Biology of Parasitism

General survey of Parasites

Parasites affecting the Intestinal Tract (1)

Parasitic Protistans: Amoebas, Flagellates, Coccidia

Parasites affecting the Intestinal Tract (2)

Parasitic Worms: Tapeworms (T.saginata, T.solium, E.granulosus).

Parasites affecting the Intestinal Tract (3)

Parasitic Worms: Tapeworms (H.nana, H.diminuta, D. latum and others).

Parasites affecting the Intestinal Tract (4)

Parasitic worms: Nematodes (Ascaris, Pinworms)

Parasites affecting Blood and Tissues (1)

Parasitic Protistans: Malaria, , Toxoplasma

Parasites affecting Blood and Tissues(2)

Parasitic Protistans: Leishmaniasis, Trypanosoma

Parasites affecting Blood and Tissues(3)

Trematoda: Schistosoma (S.haematobium, S.mansoni, S.japonicum).

Parasites affecting Blood and Tissues (4)

Trematoda: Liver flukes, Lung flukes,

Parasites affecting Blood and Tissues (5)

Nematodes: Filarial Worms Elephantiasis (W.bancrofti), Microfilaria (Brugia malayi).

Parasites affecting Blood and Tissues (6)

Nematodes: Filarial Worms Eye worm (loa loa), River blindness (O.volvulus).

Arthropods as parasites

: Insects: Lice and fleas.

Arachnids: Ticks and Mites

Social and Economical aspects of parasitic Diseases

Evaluation methodology :

References :

*1- Foundations of Parasitology (1996) Larry S. Roberts and John Janovy (5th ed.) , ,

*Medical Microbiology4th, ,

Course Schedule :

Topic_____ **Hours**

No Information Available...