



**Philadelphia University**  
**Faculty of Pharmacy**  
**First Semester 2016/20167**

**Course Syllabus**

<b>Course Title:</b> <b>Parasitology.</b>	<b>Course code:</b> <b>510451</b>
<b>Course Level: Fourth year</b>	<b>Elective</b>
<b>Credit hours: 3</b>	<b>Lecture Times:</b> <b>Section 1: Monday, Wednesday 12:45- 14: 15</b>

**Academic Staff**

**Specifics**

<b>Name</b>	<b>Rank</b>	<b>Office Number and Location</b>	<b>Office Hours</b>	<b>E-mail Address</b>
<b>Dr. Nabil A.S NIMER</b>	<b>Assistant Professor</b>	<b>P523</b>		<b>n_nimer@philadelphia.edu.jo</b>

**Course module description:**

The course is designed to provide the students with an introduction to human animal-parasitic diseases including worms and protozoan infections and the basic concepts and terminology to discuss parasites (protozoa and Helminths), vectors, and the (human) host and their relationship to each other. The critical aspects of the biology particularly those pathogenic to man and the parasitic helminthes of man will be highlighted– their biology, the infections they cause, epidemiology, host response to these infections, and their mode of transmission, prevention and treatment of parasitism, chemotherapy and parasitic disease.

## Assessment instruments

<b>Allocation of Marks</b>	
<b>Assessment Instruments</b>	<b>Mark</b>
First examination	<b>20%</b>
Second examination	<b>20%</b>
Reports, Research Projects, Quizzes, Home works, Projects	<b>20%</b>
Final examination: 50 marks	<b>40%</b>
Total	<b>100</b>

## Course/module academic calendar

<b>week</b>	<b>Basic and support material to be covered</b>
(1)	Association between parasite and host Basic concepts in medical parasitology
(2)	Effect of parasites on the host Classification of medical parasitology
(3)	General characteristics of medically important parasites
(4)	Medical Protozoology
(5)	Amoebiasis
(6)	Pathogenic Flagellates
<b>First examination</b>	
(7)	Luminal Flagellates
(8)	Haemoflagelates
(9)	Trypanosomiasis
(10)	Medically important ciliates
(11)	COCCIDIA (SPOROZOA)
<b>Second examination</b>	
(12)	Malaria
(13)	Other cocidian parasites
(14)	Medical heminthology
(15)	Medically important treatodes (Flukes)
(16)	Nematodes
<b>Final Examination</b>	

## Expected workload:

On average students need to spend 3 hours of study and preparation for each 50-minute lecture/tutorial.

## Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the faculty of science shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

### Teaching methods:

The 45 hours in total will be mainly lectures with few tutorials and including two one hour exams. In addition to lectures and seminars, students are asked to write research on topic they choose from a list of subjects.

### Course module objectives and knowledge outcome:

The course is designed to acquaint students with Parasitology which has a special bearing on pharmacy in all its aspects, this will range from the

### Learning outcomes:

#### > Knowledge and understanding

--Students should be able to:

- Discuss in detail the classification of medically important parasites.
- Explain the difference between the Cestodes, Nematodes, Trematodes and protozoa
- Discuss the classification of medically important protozoa.
- Understand medically important helminthes including their life cycles,
- modes of transmissions, clinical features, diagnosis, treatment and prevention.
- Explain the medical importance of arthropods.

#### > Cognitive skills (thinking and analysis).

-Student should be able to grasp the necessity of developing newer chemotherapeutics and limiting the development of antibiotic resistance and to deal with microbiological aspects of pharmaceutical industry

#### > Communication skills (personal and academic).

-We hope that students will practice independent thinking and convey their thoughts to their tutors. They will search or are given problems and asked to find solutions for them. Students will be encouraged to express themselves more effectively and speak with more confidence and listen carefully to build rapport.

#### > Practical and subject specific skills (Transferable Skills).

-Practical evaluation of feasibility of student s proposal to tackle a problem

### Course/ module components

- Books