

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

<b>Course name</b>	Practical Parasitology
<b>Course number</b>	BIOL3345
<b>Faculty</b>	
<b>Department</b>	
<b>Course type</b>	Major Needs
<b>Course level</b>	3
<b>Credit hours (theoretical)</b>	0
<b>Credit hours (practical)</b>	1
<b>Course Prerequisites</b>	

#### Course Objectives

- 1 - To familiarize students with the diversity of parasitic organisms and their life cycles
- 2 - To develop practical skills in the collection, preservation, and examination of parasitic specimens
- 3 - To understand the pathological effects of parasitic infections on hosts
- 4 - To provide hands-on experience in microscopy, staining techniques
- 5 - To explore the principles of epidemiology and transmission dynamics of parasitic diseases
- 6 - To foster an understanding of host-parasite interactions and the impact of parasitic infections on public health
- 7 - To introduce students to strategies for the control and prevention of parasitic diseases

#### Course Contents

- 1 - Introduction to Parasitology: Basic concepts and classification of parasites
- 2 - Collection and Preservation of Parasitic Specimens
- 3 - Microscopic Examination of Parasites: Techniques and identification
- 4 - Staining Methods in Parasitology
- 5 - Life Cycles of Major Parasites
- 6 - Pathogenesis of Parasitic Infections
- 7 - Epidemiology and Transmission of Parasitic Diseases
- 8 - Host-Parasite Interactions
- 9 - Diagnostic Techniques in Parasitology
- 10 - Control and Prevention of Parasitic Diseases
- 11 - Zoonotic Parasites: Human-animal interactions and emerging infections

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**Students Assessment**

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Assessment		20
Attendance and reports		10
Midterm Exam		30
Final exam		40