

### Course plan

<b>Year:</b> 1404-1405	<b>Semester:</b> <input checked="" type="checkbox"/> First, <input type="checkbox"/> Second, <input type="checkbox"/> Summer	<b>Number of students:</b>
<b>Major:</b> Master Students of Medical microbiology	<input checked="" type="checkbox"/> Basic sciences, <input type="checkbox"/> Physiopathology	<b>Department:</b> Parasitology, Mycology & Entomology
<b>Course Title:</b> Medical parasitology	<input checked="" type="checkbox"/> ... Theoretical, <input type="checkbox"/> Practical	<b>Credit:</b> <b>Code N.:</b>
<b>Prerequisite:</b>	<b>Day &amp; Time:</b>	<b>Course type:</b> Practical
<b>Instructor:</b>	<b>Office address:</b>	<b>Tel:</b> 09365125328
<b>Email:</b> hakimazizi0873@gmail.com	<b>Response Hours and Days:</b> 17 hours	<b>Student representative name and mobile number:</b>

**Main objective:** Understanding the practical and diagnostic aspects of medical parasites in humans and common infections between humans and animals, Diagnostic features and traditional and modern diagnostic techniques

**On completion of this course, the student will be able to:**

- 1- Be familiar with the morphological characteristics and methods of diagnosis of medical parasites and be proficient in traditional and modern diagnostic methods.
- 2- Describe the appearance characteristics, sampling methods, and diagnostic evaluations.
- 3- Describe molecular methods for diagnosing medical parasites
- 4- Describe traditional methods for diagnosing medical parasites
- 5- Be aware of the mechanisms of setting up medical parasites diagnostic tests.
- 6- Name the clinical signs and complications caused by the medical parasites in question and describe the host's immune mechanisms against them.
- 7- Name the various methods for diagnosing medical parasites.

**References (Text books):**

1. Schmidt G.D; Roberts L.S. Foundations of Parasitology.8th Edition. 2010. McGraw Hill Company. Boston .USA
2. Cox FEG; Wakelin D ; Gillespie SH ; Despommier DD. Topley and Wilson's Microbiology and Microbial infections.10th edition.2005, Vol. 5.0, Hodder Arnold, London. Great Britain.
3. Markell EK; John DT; Krotoski WA. Markell and Voge's Medical Parasitology, 2006, 9th edition. W.B. Saunders Company. Philadelphia.USA.

**Student evaluation and the value related to each evaluation:**

(The assessment tools that will be used to test student ability to understand the course material and gain the skills and competencies stated in learning outcomes)

ASSESSMENT TOOLS	From
Assignments	1
Quiz	1
Presence in online courses	---
Midterm Exam	---
Final Exam (Written exam)	18
<b>TOTAL MARKS</b>	<b>20</b>

Row	date	Time	Topic	Professor	References	Chapter	Pages
1	19.10.2025	8-10	Introduction to the parasitology laboratory, how to work and maintain a microscope, and essential tools in the parasitology laboratory. Explanation of slides of Hemoflagellates (leishmania and Trypanosoma) and observation of the relevant slides.	Dr azizi	Diagnostic Medical Parasitology, fourth edition, Lynne Shore Garcia		
2	26.10.2025	8-10	Explanation of slides for Intestinal, Oral, and Genital Flagellates and observation of the relevant slides	Dr azizi	Diagnostic Medical Parasitology, fourth edition, Lynne Shore Garcia		
3	2.11.2025	8-10	Explanation of slides for Amoebae , Pathogenic Free-Living Amoebae and Coccidia and observation of the relevant slides	Dr azizi	Diagnostic Medical Parasitology, fourth edition, Lynne Shore Garcia		
4	9.11.2025	8-10	Explanation of slides for Malaria and Babesia and observation of the relevant slides.	Dr azizi	Diagnostic Medical Parasitology, fourth edition, Lynne Shore Garcia		
5	16.11.2025	8-10	Explanation of slides for Cestodes (tapeworms) and observation of the relevant slides	Dr azizi	Diagnostic Medical Parasitology, fourth edition, Lynne Shore Garcia		
6	23.11.2025	8-10	Explanation of slides for Trematodes (flukes) and observation of the relevant slides	Dr azizi	Diagnostic Medical Parasitology, fourth edition, Lynne Shore Garcia		
7	30.11.2025	8-10	Explanation of slides for Nematodes (intestinal nematodes) and observation of the relevant slides	Dr azizi	Diagnostic Medical Parasitology, fourth edition, Lynne Shore Garcia		
8	07.12.2025	8-10	Explanation of slides for Nematodes (blood and tissue nematodes) and observation of the relevant slides	Dr azizi	Diagnostic Medical Parasitology, fourth edition, Lynne Shore Garcia		
9	Based on the program		Final exam				