



مركز الاعتماد
و ضمان الجودة
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

Course Name:

Diagnostic Medical Parasitology

1	Course title	Diagnostic Medical Parasitology
2	Course number	(0504719)
3	Credit hours (theory, practical)	2 hours theory, 1 hour practical
	Contact hours (theory, practical)	2 hours theory, 2 hours practical
4	Prerequisites/corequisites	None
5	Programtitle	Masters in DEGREE IN MEDICAL LABORATORY SCIENCES
6	Programcode	
7	Awarding institution	University of Jordan
8	Faculty	Medicine
9	Department	Pathology, Microbiology & Forensic Medicine
10	Level of course	Postgraduste
11	Year of study andsemester(s)	2016-2017 Second Semester
12	Final Qualification	M. Sc.
13	Other department(s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	2018

16. Course Coordinator:

Dr Mohammad Madadha and Dr. Hamed Alzoubi Office number 212, Office hours 11.00 – 12.00 AM, Tel ++962 6 5355000 Ext. 23495,
E.mail m.madadha@ju.edu.jo

17. Other instructors:

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18. Course Description:

This course is intended to introduce fundamental and important aspects of the morphology and life cycles of protozoa and helminths causing human disease, in addition to pathological processes caused by these parasites. Special attention is given to life cycle and methods used in collection and examination of specimens used for the diagnosis of parasitic diseases.

19. Course aims and outcomes:**A- Aims:**

By the end of this course the students should be knowledgeable of :-

1. Basic morphology and life cycles of parasites causing human disease.
2. Specimens to be collected and the methods used for their examination in the diagnosis of parasitic diseases.
3. An understanding of the clinical diseases caused by these parasites.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to...

A. Knowledge and Understanding: Student is expected to understand

A1- Morphology and life cycles of parasite.

A2- Mode of transmission of parasitic diseases.

A3- Methods used in the diagnosis of these diseases.

B. Intellectual Analytical and Cognitive Skills: Student is expected to

B1- Understand principles and methods of diagnosis of parasitic diseases

B2- Appreciate technical skills involved in carrying out such tests.

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C. Subject- Specific Skills: Students is expected to

C1- To know the various parasites that cause human disease.

C2- To know the application of tests used in diagnosis

C3- Be familiar with skills required for these tests.

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D. Transferable Key Skills: Students is expected to

D1- To be able to transfer knowledge to health professional colleagues.

D2- To be able to transfer instructions to other MLS and patients.

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20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Introduction	one	Dr Hamed Alzoubi			
Amoeba	two	Dr Hamed Alzoubi			
Other intestinal protozoae : Giardia lamblia, Balantidium coli, Isospora, Cryptosporidium, Microsporidium .Trichomonas	Three and four	Dr Hamed Alzoubi			
Toxoplasma, Trypanosomes.	five	Dr Hamed Alzoubi			

Leishmania	six	Dr Hamed Alzoubi			
Plasmodium, Babesia	seven	Dr Hamed Alzoubi			
Nematodes : Enterobius, Ascaris, Trichuris, Trichinella, Strongyloides, Hookworms.	eight	Dr Hamed Alzoubi			
Blood and tissue nematodes : Microfilaria	nine	Dr Hamed Alzoubi			
Tapeworms : T. solium, T. saginatum. D. latum.	ten	Dr Hamed Alzoubi			
Tapeworm : E. granulosus Cysticercosis Hymenolepis nana	eleven	Dr Hamed Alzoubi			
Trematodes : Schistosoma	twelve	Dr Hamed Alzoubi			
Trematodes : Gastro-intestinal and pulmonary flukes	thirteen	Dr Hamed Alzoubi			
Revision	fourteen	Dr Hamed Alzoubi			
Practical sessions	Go along with seminars	Dr Hamed Alzoubi			

21. Teaching Methods and Assignments:

<p>Development of ILOs is promoted through the following <u>teaching and learning methods</u>:</p> <p>Seminars, interactive discussion and Laboratory sessions</p>
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22. Evaluation Methods and Course Requirements:

<p>Opportunities to demonstrate achievement of the ILOs are provided through the following <u>assessment methods and requirements</u>:</p> <p>Mid Exam MCQ and short answers (30%) Attendance and seminars (10%) Final Exam MCQ and short answers (40%). Practical exam (20%)</p>
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23. Course Policies:

A- Attendance policies:

Regular check for attendance of seminars and practicals.

B- Absences from exams and handing in assignments on time:

Repeat exams are carried out for absent students with valid excuse.

C- Health and safety procedures:

Students are instructed about hazards and safety procedures when working in the Microbiology Lab.

D- Honesty policy regarding cheating, plagiarism, misbehaviour:

These are not tolerated with suitable punishment applied

E- Grading policy:

A, A-, B+, B, B-, C+, C.

F- Available university services that support achievement in the course:

Microbiology Lab Faculty of Medicine. Libraries, computer labs.

24. Required equipment:

Lab. coats for practical sessions

2°. References:

A- Required book (s), assigned reading and audio-visuals:

B- Recommended books, materials, and media:

Baily and Scott's diagnostic microbiology, 13th ed, Patricia Tille, Elsevier

Basic clinical parasitology. Edit. FA Neva & HW Brown. Prentice-Hall International Inc. Latest edition.

Parasitology teaching websites

2٦. Additional information:

None

Name of Course Coordinator: -----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File