

Ministry of Higher Education and Scientific Research



Academic Program and Course Description Guide

2024

Course Description Form

1. Course Name: Microbiology -Parasitology	
2. Course Code:	
3. Semester / Year: year	
4. Description Preparation Date:2024	
5. Available Attendance Forms: Attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)-60 h	
5 credit	
7. Course administrator's name (mention all, if more than one name)	
Name: Prof Dr Ali Manssor-Dr ABD ALHASSAIN	
Email: ali.mn@uowa.edu.iq	
8. Course Objectives	
<p>Program Objectives:</p> <p>To introduce and familiarize with the general terminology in Parasitology.</p> <p>To understand how different parasites affect their hosts, such as protozoa, worms and medical insects.</p> <p>To understand how parasites impact lifecycle, pathogenesis, symptoms, medical diagnosis and treatment.</p> <p>To learn about epidemiological parasites, how they spread and how to control epidemics.</p> <p>To provide students with the laboratory techniques relate Parasitology.</p>	<ul style="list-style-type: none"> • • <p>Theoretical Objectives:</p> <ul style="list-style-type: none"> • Gain a fundamental understanding of Parasitology and provide a broad foundation of Parasitology knowledge • Develop the ability to independently seek/obtain knowledge and information • Enable and train students on how to handle scientific information • Enable students to evaluate and interpret results, and how to present and discuss them

		•			
9. Teaching and Learning Strategies					
Strategy					
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
	2Hours		Microbiology Parasitology		
11. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports ... etc					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Medical microbiology -Jawetz		
Main references (sources)			Medical microbiology -Jawetz Medical Microbiology Editor: Samuel Baron		
Recommended books and references (scientific journals, reports...)			Medical Microbiology, 9th Edition Authors :Patrick R. Murray & Ken S. Rosenthal Michael A. Pfaller Robbins & Cotran Pathologic Basis of Diseases (Robbins Pathology) Basic Immunology: Functions and Disorders of the Immune System 7th Edition by Abul K. Abbas MBBS Medical Microbiology 10th Edition by Patrick R. Murray PhD F		
Electronic References, Websites			Medical microbiology -Jawetz		

Lectures on the theory, using projectors and smart screens.
Discussions in small groups.
Group research projects, where students research topics, discuss and present them.
The practical learning material is explained in the laboratory.
Laboratory experiments and examination of pathological parasites

Assessment Methods

1. Daily and monthly exams
2. Oral exams
3. Exams to assess knowledge of the practical learning material
4. Reports and presentations, where the students are evaluated on their ability to present, discuss, and answer questions on the research/report/presentation topic
5. Seminars

Ethical Objectives

1. Patient confidentiality and information protection
2. Humane treatment of patients, especially terminally ill patients, and breaking bad news to a patient and/or their loved ones
3. Understanding the responsibility of the profession, and not prioritizing material gains over the ethical responsibilities

Assessment Methods

- Oral exams
- Daily / Semester written exams
- Seminars on ethics and morals related to the profession/specialty

General and Transferrable Skills (Other skills related to employability and personal development)

- 1- Learning how to deal/behave with colleagues and patients in the workplace
- 2- Develop presentation skills and how to manage a class
- 3- Report writing and evaluating results

Teaching and Learning Methods

Laboratory training and applying a variety of lab techniques related to parasitology, sample preparation methods, and writing reports for each experiment.

Lectures that provide general guidance on laboratory management and communication techniques required at work.

Assessment Methods

1. Daily and monthly exams
2. Oral exams
3. Exams to assess knowledge of the practical learning material
4. Reports and presentations, where the students are evaluated on their ability to present, discuss, and answer questions on the research/report/presentation topic
5. Seminars

Program Structure

Hours per week		Course Name	Course Code	Year
Practical	Theory			
60 – 2 hrs/week	45 – 2 hrs/week	Parasitology	50101317	3

Personal Development Objectives

- Develop independent-learning skills
- Learn how to leverage technology to obtain information – Internet Technology
- Develop teamwork and group-learning
- Develop leadership and mentoring skills

Admission Criteria (requirements to join the College/Institute)

Central admission, students with very high GPA (>97%) at Baccalaureate level.

Primary Course Material
<ul style="list-style-type: none">- Lectures- Textbook- Laboratory instructions- Websites

- Lectures
- Textbook
- Laboratory instructions
- Websites