

# Medical Parasitology and Mycology

## Course Specifications

### Dental students

### Second semester, 1404-1405

### Course NO. 12409

**Department offering the course: Parasitology and Mycology**

**Course coordinator: Professor Gilda Eslami**

### Overall aims

- 1- To provide students with adequate knowledge about introduction of medical parasitology, the interaction between parasites and hosts, definition of special keywords in protozoa and helminth, and nomenclature of the parasites.
- 2- To provide students with adequate knowledge about amoeba, *Entamoeba gingivalis*.
- 3- To provide students with adequate knowledge about flagellates, *Trichomonas* spp., *Leishmania*.
- 4- To provide students with adequate knowledge about apicomplexa, *Toxoplasma gondii*, *Leishmania*.
- 5- To provide students with adequate knowledge about helminths; nematoda, cestoda, trematoda.
- 6- To provide students with adequate knowledge about introduction of Medical Mycology.
- 7- To provide students with adequate knowledge about general approaches on diagnostic mycology.
- 8- To provide students with adequate knowledge about Candida and oral candidiasis.
- 9- To provide students with adequate knowledge about mucormycosis and aspergillosis, and endemic true pathogenic fungi.

### Intended learning outcomes

***By the end of the course, students should be able to:***

Describe the important medical protozoa, helminths, and fungi.

Describe the life cycle of the important medical protozoa, helminths, and fungi.

Describe pathogenesis, clinical signs and symptoms and complications of the important medical protozoa, helminths, and fungi.

Describe prevention and control of infection on individual and community levels

## ***Intellectual skills***

*By the end of the course, students should be able to:*

Differentiate specific symptoms and signs caused by certain parasitic and fungi infection.  
Choose the most suitable method for control of a parasitic and fungi infection.

## **Times**

**Lectures: Saturday: 10-12**

## **Student assessment Methods**

Multiple choice questions to assess knowledge and understanding and intellectual skills

### **Assessment schedule:**

- 1- Midterm exam after the end of medical parasitology sections.
- 2- Final exam according the university exams schedule.
- 3- Quizzes during the academic term.

### **Weighting of assessments:**

Midterm exam: 9/20

Final exam: 9/20

Quizzes: 2/20

## **References:**

- 1-Medical parasitology, Markell, last edition
- 2-Medical Mycology, Mirhendi H, last edition

## Course contents (lectures)

Row	Date	Time	Title	Professor
1	1404/12/2 2026/2/21	virtual	Introduction to medical parasitology, terms, and definitions; introduction to protozoa	Dr. Gilda Eslami
2	1404/12/9 2026/2/28	virtual	<i>Entamoeba gingivalis</i> , trichomoniasis, leishmaniasis	Dr. Gilda Eslami
3	1404/12/16 2026/3/7	virtual	Toxoplasmosis, nematoda	Dr. Gilda Eslami
4	1404/12/16 2026/3/14	virtual	Platyhelminths	Dr. Gilda Eslami
5	1405/1/15 2026/4/4	10-12	Introduction to general mycology, medical mycology, terms and definition.	Dr. Hossein, Mirheni, Dr. Faezeh Rouhi
6	1405/1/22 2026/4/11	10-12	General approaches to diagnostic medical mycology	Dr. Hossein, Mirheni, Dr. Faezeh Rouhi
7	1405/1/29 2026/4/18	10-12	Candida, candidiasis and oral candidiasis.	Dr. Hossein, Mirheni, Dr. Faezeh Rouhi
8	1405/2/5 2026/4/25	10-12	Aspergillosis, Mucormycosis and other mycotic infections.	Dr. Hossein, Mirheni, Dr. Faezeh Rouhi