

TOROS ÜNİVERSİTESİ

Vocational School
Medical Laboratory Techniques

Course Information

PARASITOLOGY

Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
TLT202	Spring	2	2	3	4

Prerequisites and co-requisites	None
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Lec. Dr. Müjgan BAYER
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	To examine the parasite preparing lab stool, blood and other body fluids
Contents of the Course	Parasitism and Noise Types of parasites Interference structure changes Parasites living is Relationships between parasites hosts Parasitism and infection Parasitoses definition HUMAN INTERFERENCE AND HUMAN HELMİNTİYZLARI Helminth Helminths and parasitism Helminths Human parasitism Whether the recognition of adult worms Whether the recognition of helminth eggs Leeches and parasitism Leeches Human parasitism Nematodes and parasitism Nematodes Human parasitism Ascaris lumbricoides and parasitism Toxocara species and parasitism Enterobius vermicularis and parasitism Stroglyoides stercoralis and parasitism Hook worms, and parasitism Trichostrogylus species and parasitism Wuchereria bancrofti and parasitism Trichuris trichiura and parasitism Trichinella spiralis and parasitism Trematodes and parasitism Trematodes Human parasitism Fasciola hepatica and parasitism Fasciola gigantica and parasitism Dicrocoelium dendriticum and parasitism Schistosoma species and parasitism Cestodes and parasitism Cestodes Human parasitism Taenia saginata and parasitism Taenia solium and parasitism Echinococcus granulosus and parasitism Hymenolepis nana and parasitism Diphylobothrium latum and parasitism HUMAN INTERFERENCE AND HUMAN PROTOZOOZLARI Protozoa Protozoa and parasitism Protozoa Human parasitism Searching for the recognition of protozoa in the stool Preparation of fresh feces to prepare Trichrome staining of faeces prepartlarnın Amoebas and parasitism Entamoeba histolytica and parasitism Blood flagellates and parasitism Leishmania donovani and parasitism İsozpora species and parasitism Toxoplasma gondii and parasitism Plasmodium species, and parasitism Pneumocystis Carini and parasitism Thick drops of blood preparations with Giemsa staining (to evaluate the Plasmodium) Thin blood smear with Giemsa staining of preparations (blood cells and Plasmodium parasites to review) Body cavities flagellates and parasitism Trichomonas vaginalis parasitism Trichomonas urethritis preparations Examination of morning urine in the diagnosis of urethritis Giardia intestinalis and parasitism

Learning Outcomes of Course

#	Learning Outcomes
1	Learn the terms about parasitology and study on this subject.
2	Evaluate where the parasitism are originated
3	Learn about biological interactions that play role on parasits and host
4	Have information about parasit ecology and parasit animal groups.

Course Syllabus

#	Subjects	Teaching Methods and Technics
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1	Macroscopic examination of stool to	Lecture, Practice
2	Direct stool preparation method to prepare	Lecture, Practice
3	Direct stool preparation method to prepare	Lecture, Practice
4	Precipitation stool preparation method to prepare	Lecture, Practice
5	Buoyancy stool preparation method to prepare	Lecture, Practice
6	Buoyancy stool preparation method to prepare	Lecture, Practice
7	Stool paint preparation	Lecture, Practice
8	mid-term exam	
9	Thick drops of blood preparation method to prepare	Lecture, Practice
10	Thick drops of blood preparation method to prepare	Lecture, Practice
11	Thin blood smear preparation method to prepare	Lecture, Practice
12	Thin blood smear preparation method to prepare	Lecture, Practice
13	Direct examination of urine and other body fluids with the preparation method to prepare	Lecture, Practice
14	Sputum and cerebrospinal fluid and other body fluids, paint preparation to prepare	Lecture, Practice
15	Final Exam	
16		

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
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Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Learn the terms about parasitology and study on this subject.	1,2,13	1,2
2	Evaluate where the parasitism are originated	1,2,7	1,2
3	Learn about biological interactions that play role on parasites and host	1,2,7	1,2
4	Have information about parasit ecology and parasit animal groups.	1,2,7,13	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	4	56
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	4	56
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	2	2
8	Midterm Exam	1	1	1

9	Quiz	0	0	0
10	Homework	1	2	2
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	2	2
16	Final Exam	1	1	1
				120