



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Human Parasites							
Course Code		TL004		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	77 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To have knowledge about the parasitic organisms that cause disease in humans.							
Course Content		The classification of Protozoa, Trematoda, Cestoda and Nematoda group of parasites that cause disease, their biology, diseases, diagnosis, treatment, protection methods and epidemiology.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study					
Name of Lecturer(s)		Ins. Hakan KANLIOĞLU							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	General Parasitology (Thomas C. Cheng, 1986)
2	Tıbbi parazit hastalıkları (M. Ali Özcel)

Week	Weekly Detailed Course Contents	
1	Theoretical	The important terms in Parasitology, Biology, transmission ways, disease, diagnosis, treatment, prevention methods and epidemiology of Entamoeba histolytica
2	Theoretical	Biology, transmission ways, disease, diagnosis, treatment, prevention methods and epidemiology of Giardia lamblia
3	Theoretical	Biology, transmission ways, disease, diagnosis, treatment, prevention methods and epidemiology of Toxoplasma gondii
4	Theoretical	Biology, transmission ways, disease, diagnosis, treatment, prevention methods and epidemiology of Trichomonas vaginalis
5	Theoretical	Biology, transmission ways, disease, diagnosis, treatment, prevention methods and epidemiology of Trichomonas tenax
6	Theoretical	Biology, transmission ways, diseases, diagnosis, treatment, prevention methods and epidemiology of Leishmania tropica and Leishmania donovani
7	Theoretical	Biology, transmission ways, diseases, diagnosis, treatment, prevention methods and epidemiology of Plasmodium spp.
8	Intermediate Exam	Midterm
9	Theoretical	Biology, transmission ways, diseases, diagnosis, treatment, prevention methods and epidemiology of Trypanosoma brucei and Trypanosoma cruzi
10	Theoretical	Biology, transmission ways, diseases, diagnosis, treatment, prevention methods and epidemiology of Fasciola hepatica and Dicrocoelium dendriticum
11	Theoretical	Biology, transmission ways, disease, diagnosis, treatment, prevention methods and epidemiology of Echinococcus granulosus
12	Theoretical	Biology, transmission ways, diseases, diagnosis, treatment, prevention methods and epidemiology of Taenia saginata and Taenia solium
13	Theoretical	Biology, transmission ways, disease, diagnosis, treatment, prevention methods and epidemiology of Ascaris lumbricoides
14	Theoretical	Biology, transmission ways, disease, diagnosis, treatment, prevention methods and epidemiology of Enterobius vermicularis
15	Theoretical	The status and future of parasitic diseases in Turkey and in the world

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Individual Work	12	2	0.25	27
Midterm Examination	1	2	2	4



Final Examination	1	2	2	4
Total Workload (Hours)				77
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To understand the term of parasite and its importance.
2	To learn the life cycle of human parasites.
3	To learn parasitic diseases.
4	To learn the transmission routes of parasites
5	To learn how to avoid parasites.

Programme Outcomes (Physiotherapy)

1	To be able to recall the information of research methods and statistics so as to follow the developments, monitor and interpret scientific literature
2	To have the appropriate knowledge of basic sciences at the level of interest, to use specific medical terms and terminology of physical therapy
3	To be able to recall knowledge of the general structure and properties of musculoskeletal system and the joints and to evaluate the story of musculoskeletal diseases.
4	To be able to comprehend the methods of measurement of the range of motion of joints and to measure it.
5	To be able to implement a general evaluation of posture analysis and gait analysis.
6	To be able to recall the knowledge about general characteristics of musculoskeletal diseases, osteoporosis, osteoarthritis, rheumatoid arthritis, ankylosing spondylitis, especially rheumatic diseases, mechanical low back and neck pain, disc herniation, soft tissue disorders and to apply appropriate physiotherapy.
7	To be able to recall the knowledge and gain skills about the devices and the agents of heater used in physical therapy, indications and contraindications of using, and the necessary information about how to apply on patients.
8	To be able to recall the knowledge of the electromagnetic field.
9	To be able to recall what Elektroakapunktur, Laser, Biofeedback, cervical and lumbar traction systems, pneumatic compression therapy are, and how to apply them, which one is applicable to patients.
10	To be able to recall what manipulation-mobilization is and which patients are suitable for this application.
11	To be able to recall what massage and hydrotherapy treatments are and which patients are suitable for these applications.
12	To be able to gain the professional and ethical awareness, apply gained knowledge and skills in real life situations and transfer gained knowledge to individuals around her/his environment, and improve behavior of life-long learning.
13	To gain knowledge about methods of diagnosis, protection and treatment of diseases
14	To be able to recall the knowledge and gain skills about physical therapy and rehabilitation methods to be applied to neurological disorders.
15	To be able to recall the knowledge and gain skills about physical therapy and rehabilitation methods to be applied to cardiopulmonary disorders.
16	To be able to recall the knowledge and gain skills about physical therapy and rehabilitation methods to be applied to pediatric patients.
17	To be able to gain knowledge about the effects of fitness and exercise on metabolism and responses of body systems to them.
18	To have knowledge about rehabilitation services
19	To become individuals who can do interdisciplinary team work, with a sense of social responsibility and entrepreneur.
20	To be able to recall the knowledge about Atatürk's Principles and the History of Turkish Revolution.
21	To be able to gain the knowledge and ability to become contemporary individuals who can use Turkish language grammar well and know a foreign language knowledge necessary to follow the developments in the profession.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	1	1	1	1	1

