



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Parasitic Diseases							
Course Code		AN004		Couse Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To inform about parasites, parasitism and parasitosis frequently seen in the world and our country.							
Course Content		What is parasite and parasitism. Relation of host and parasites. Common parasitosis. Protection from parasitic diseases. Sampling and examination of the parasitic infections.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)		Lec. Sevil ÖZCAN							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Yazar, S., Kuk, S., Miman Ö. ve Saygı, G. (2016). Temel tıbbi parazitoloji, Erciyes Üniv. Basımevi, Kayseri.
2	Özcel, M. A. (2007) Tıbbi parazit hastalıkları, Ege Üniv. Basımevi, İzmir.
3	Parazitolojide laboratuvar; M. Korkmaz, Ü. Z. Ok, 2011 – İzmir.

Week	Weekly Detailed Course Contents	
1	Theoretical	Parasite and parasitic conditions.
2	Theoretical	Parasite host relationship.
3	Theoretical	The parasitic organisms.
4	Theoretical	Entamoebiasis, Acanthamoebiasis, Naegleria fowleri.
5	Theoretical	Leishmaniasis, Giardiasis, Trichomoniasis.
6	Theoretical	Toxoplasmosis, Cryptosporidiasis
7	Theoretical	Malaria (Plasmodium vivax)
8	Intermediate Exam	Midterm Exam
9	Theoretical	Ascariasis, Enterobiosis, Filariasis (Wuchereria bancrofti).
10	Theoretical	Fasciola hepatica (liver fluke), Schistosomiasis.
11	Theoretical	Sistisercosis (Taenia saginata), Hydatid cyst (Echinococcus granulosus), Hymenolepis nana.
12	Theoretical	Infestations and causative organisms.
13	Theoretical	Sampling and examination of material for parasitic infections.
14	Theoretical	Protection from parasitic diseases.
15	Theoretical	General evaluation.

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Project	1	5	2	7
Individual Work	10	0	2	20
Midterm Examination	1	2	1	3
Final Examination	1	2	1	3
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Know the definition of parasites and parasitism, and also know the parasite host relationships.
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2	Know common parasitosis and causal organisms.
3	Know how to protect from parasitic diseases.
4	Know how to take samples and examine them like stool, cellophane tapes and so on.
5	Can make simple classification of 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 Elektroakupunktur, 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	4	4	4	4	4
P2	5	5	5	5	5
P3	3	3	3	3	3
P4	2	2	2	2	2
P5	2	2	2	2	2
P6	2	2	2	2	2
P7	1	1	1	1	1
P8	1	1	1	1	1
P9	1	1	1	1	1
P10	2	2	2	2	2
P11	1	1	1	1	1
P12	1	1	1	1	1
P13	1	1	1	1	1
P14	1	1	1	1	1
P15	1	1	1	1	1
P16	1	1	1	1	1



P17	1	1	1	1	1
P18	1	1	1	1	1
P19	2	2	2	2	2
P20	3	3	3	3	3
P21	5	5	5	5	5

