



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Physical Therapy and Rehabilitation Applications I							
Course Code		FZ209		Couese Level		Short Cycle (Associate's Degree)			
ECTS Credit	5	Workload	125 (<i>Hours</i>)	Theory	0	Practice	8	Laboratory	0
Objectives of the Course		To gain knowledge and skills about physical medicine and rehabilitation modalities such as magnetic field, electroacupuncture, laser, biofeedback.							
Course Content		Magnetic field therapy, elektroacupuncture, laser therapy, lymphatic drainage, pneumatic compression systems, manipulation-mobilization, biofeedback, cervical and lumbar traction application and positioning, physical therapy and rehabilitation applications in regional musculoskeletal disorders .							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Case Study, Individual Study					
Name of Lecturer(s)		Ins. Fatma Nur ALTIN, Ins. Muammer KORKUT, Ins. Müge DERELİ							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Practice Examination	1	110

Recommended or Required Reading

1	Lecture notes
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Week	Weekly Detailed Course Contents	
1	Practice	Magnetic field therapy
2	Practice	Magnetic field therapy
3	Practice	Electroacupuncture
4	Practice	Laser therapy
5	Practice	Lymphatic drainage
6	Practice	Pneumatic compression systems
7	Practice	Manuplation- mobilization
8	Practice	Manuplation- mobilization
9	Practice	Biofeedback
10	Practice	Biofeedback
11	Practice	Cervical and lumbar traction application and positioning
12	Practice	Cervical and lumbar traction application and positioning
13	Practice	Physical therapy and rehabilitation applications in regional musculoskeletal disorders
14	Practice	Physical therapy and rehabilitation applications in regional musculoskeletal disorders
15	Practice	General evaluation and practice exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Practice	14	0	8	112
Individual Work	4	0	1	4
Practice Examination	1	1	8	9
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = ECTS				5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To learn magnetic field therapy
2	To learn how to use elektroacupuncture
3	To learn laser treatment
4	To learn manipulation-mobilization



5	To learn biofeedback
6	Evaluation of cervical and lumbar traction application

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 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 Elektroakunktur, 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	L6
P8	5	1	1	1	1	1
P9	1	5	5	1	5	5
P10	1	1	1	5	1	1

