AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Neurological Rehabilitation						
Course Code	FZ204		Couse Level	Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	52 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To gain knowledge about the physical therapy and rehabilitation methods to be applied in neurologic disorders.						
Course Content	Management of patients with neurological disorders, neuropsychological exercises, rehabilitation of balance disorders, physical therapy of hemiplegic patients, , physical therapy and rehabilitation in traumatic brain injury, physical therapy in patients with spinal cord injury, physical therapy in neuromuscular disorders, physical therapy in peripheral nerve injuries, multiple sclerosis, physical therapy and rehabilitation in patients with Parkinson's disease, spasticity and physical therapy, neurogenic bladder and bowel, pressure ulcers, physiotherapy rehabilitation approaches in infectious, vascular, traumatic, degenerative, and idiopathic diseases of central and peripheral nervous system, orthotics and walking aids in neurological diseases.						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Discussion, Case Study				
Name of Lecturer(s)	Ins. Müge DERELİ						

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Rehabilitation of Neurological Diseases, Turgut Göksoy

Week	Weekly Detailed Course Contents	
1	Theoretical	Approach to the neurological patient
2	Theoretical	Approach to the neurological patient
3	Theoretical	Neurophysiologic exercises
4	Theoretical	Cerebrovascular Events and Stroke
5	Theoretical	Traumatic brain injuries
6	Theoretical	Spinal cord injuries and Spasticity
7	Theoretical	Multiple Sclerosis
8	Theoretical	Parkinson's Disease
9	Theoretical	Neuromuscular diseases
10	Theoretical	Myastania Gravis
11	Theoretical	Amyotrophic Lateral Sclerosis
12	Theoretical	Peripheral Nerve Injuries
13	Theoretical	Neurogenic bladder, bowel and pressure ulcers
14	Theoretical	Orthotics and walking aids in neurological diseases

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Individual Work	8	0	2	16
Midterm Examination	1	2	2	4
Final Examination	1	2	2	4
			Total Workload (Hours)	52
			[Total Workload (Hours) / 25*] = **ECTS**	2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Evaluating the approach to the neurological patient
2	Learning the general features and symptoms of neurological diseases
3	Learning physical therapy practices in neurological diseases
4	Learning neurophysiological exercises
5	Evaluating orthoses and walking aids in neurological diseases

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 proporties 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 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 reallife situations and transfer gained knowlegde 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 Ataturk'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 necessasary 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
P14	5	5	5	5	5
P16	4	4	4	4	4
P18	5	5	5	5	5