



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Pediatric Rehabilitation							
Course Code		FZ203		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	81 (<i>Hours</i>)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To gain knowledge about the physical therapy and rehabilitation methods that should be applied in pediatric patients.							
Course Content		Normal growth and development, examination, reflexes, postural reactions, development of language and speech, rehabilitation of cerebral palsy and other congenital and genetic neuromuscular system diseases in childhood, rehabilitation methods used in pediatric patients neurophysiological and conventional methods, the Bobath method, test positions, reflex inhibitor patterns (RIP), inhibition, facilitation, resynthesis, desynthesis concepts, head control, sitting, four-point stability, balance above the knees, static and dynamic balance when standing, gait training, children orthotics prosthetics, splinting, Vojta and communicative training (Peto) techniques, psychology in pediatric patient							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study					
Name of Lecturer(s)		Ins. Fatma Nur ALTIN							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Pediatric Physiotherapy Rehabilitation, Collective
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Week	Weekly Detailed Course Contents	
1	Theoretical	Normal growth and development
2	Theoretical	Normal growth and development
3	Theoretical	Evaluation, reflexes, postural reactions, and speech and language development
4	Theoretical	Rehabilitation of cerebral paralysis and other congenital and genetic neuromuscular system diseases in childhood.
5	Theoretical	Rehabilitation of cerebral paralysis and other congenital and genetic neuromuscular system diseases in childhood.
6	Theoretical	Rehabilitation methods used in pediatric patients, conventional and neurophysiologic methods
7	Theoretical	Rehabilitation methods used in pediatric patients, conventional and neurophysiologic methods
8	Theoretical	Bobath method
9	Theoretical	Test positions, reflex inhibitor pattern (RIP) s
10	Theoretical	Inhibition, facilitation, resynthesis, desynthesis concepts
11	Theoretical	Head posture, seat, four-point balance, the balance above the knee, static and dynamic balance when standing, gait training
12	Theoretical	Prosthetics orthotics applications and splinting for children.
13	Theoretical	Vojta and communication training (Peto) techniques
14	Theoretical	Psychology in pediatric patient

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	10	0.5	10.5
Individual Work	12	2	0.25	27
Midterm Examination	1	7	1	8



Final Examination	1	7	1	8
Total Workload (Hours)				81
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To gain knowledge and skills about physical therapy and rehabilitation methods to be applied in pediatric disorders
2	To learn normal growth and development stages
3	Learning reflexes and postural reactions
4	Learning rehabilitation methods used in pediatric patients
5	Learning the Bobath method

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
P14	4	4	4	4	4
P16	5	5	5	5	5
P18	5	5	5	5	5

