

## ECTS COURSE DESCRIPTION FORM

### PART I (Senate Approval)

<b>Offering School</b>	Antalya Bilim University			<b>Offering Department</b>	Physical Therapy and Rehabilitation		
<b>Program(s) Offered to</b>	Physical Therapy and Rehabilitation	<input type="checkbox"/>				<input type="checkbox"/>	
		<input type="checkbox"/>				<input type="checkbox"/>	
		<input type="checkbox"/>				<input type="checkbox"/>	
<b>Course Name</b>	Neurosurgery			<b>Course Code</b>	FTR 236		
<b>Level of Course</b>	Undergraduate			<b>Type of Course</b>	Theoric		
<b>Language of Instruction</b>	Turkish			<b>ECTS Credits</b>	3		
<b>Hours per Week</b>	Lecture:	2	Practical:	0	Studio:		
	Laboratory:		Recitation:		Other:		
<b>Pre-requisites</b>	None			<b>Co-requisites</b>	None		
<b>Registration Restriction</b>	None			<b>Grading Mode</b>	Letter Grade		
<b>Educational Objective</b>	Giving general information about neurosurgery						
<b>Course Description</b>	Epilepsy, Neurological examination, Medulla spinalis diseases, Polyneuropathies, Extrapyramidal system diseases, Entrapment neuropathies, Demyelinating diseases, Cerebellar system diseases, Cerebrovascular diseases, Muscular diseases						
	Central and Peripheral Nerve Surgery Approaches, Neurodiagnostic methods, cerebrovascular diseases, CIBA, KIBAS, head traumas, spinal traumas and tumors, surgery of peripheral nerves diseases, disc hernias, hydrocephalus, congenital and developmental central nervous system surgery approaches, adult and pediatric brain tumors, pain and spasticity surgery. In children and adults, neurological evaluation, medulla spinalis diseases, cerebrovascular diseases, ex-trapyramidal system diseases, cerebellar system diseases, neuromuscular diseases, MS, Parkinson, polio, Guillain barre, peripheral system and diseases, nerve and muscle degeneration and regeneration, electro-physiological tests (EMG, nerve conduction studies, evoked potentials, EEG).						
<b>Learning Outcomes</b>	<b>LO1</b>	Has general knowledge about neurological diseases					
	<b>LO2</b>	General neurological examination information					
	<b>LO3</b>	Have knowledge about diagnostic and treatment methods of neurological dis-eases					
	<b>LO4</b>	Have information about the treatment methods of neurological diseases					
	<b>LO5</b>						
	<b>LO6</b>						
	<b>LO7</b>						

### PART II (Faculty Board Approval)

		Program Outcomes	LO1	LO2	LO3	LO4	LO5	LO6	LO7
<b>Basic Outcomes (University-wide)</b>	<b>PO1</b>	Ability to communicate effectively and write and present a report in Turkish and English.							
	<b>PO2</b>	Ability to work individually, and in intra-disciplinary and multi-disciplinary teams.							
	<b>PO3</b>	Recognition of the need for life-long learning and ability to access information, follow developments in science and technology, and continually reinvent oneself.	✓	✓	✓	✓	✓	✓	
	<b>PO4</b>	Knowledge of project management, risk management, innovation and change management, entrepreneurship, and sustainable development.							
	<b>PO5</b>	Awareness of sectors and ability to prepare a business plan.							
	<b>PO6</b>	Understanding of professional and ethical responsibility and demonstrating ethical behavior.							
<b>Faculty Specific Outcomes</b>	<b>PO7</b>	Having universal thoughts and values	✓	✓	✓	✓	✓	✓	
	<b>PO8</b>	To be committed to academic and ethical values	✓	✓	✓	✓	✓	✓	
	<b>PO9</b>	To provide qualified education, research and consultancy services at universal information and technology standards							
	<b>PO10</b>	To be open to new goals, strategies and action plans that will take undergraduate and graduate education / training programs and scientific studies further	✓	✓	✓	✓	✓	✓	
	<b>PO11</b>	To support, maintain and increase interdisciplinary / multidisciplinary studies in the services provided.	✓	✓	✓	✓	✓	✓	
	<b>PO12</b>	To contribute and develop health policies for the benefit of the country.							
<b>Program Specific Outcomes</b>	<b>PO13</b>	Explains the theoretical knowledge about basic medicine and clinical sciences with the main lines and relates them to physiotherapy.	✓	✓	✓	✓	✓	✓	
	<b>PO14</b>	Applies Physiotherapy and Rehabilitation assessment methods, analyzes and interprets theoretical knowledge by associating	✓			✓	✓	✓	
	<b>PO15</b>	Plans and implements the individual physiotherapy and rehabilitation program				✓	✓	✓	
	<b>PO16</b>	Records and archives assessment and treatment data							
	<b>PO17</b>	Plans, conducts and presents a scientific research	✓	✓	✓	✓	✓	✓	
	<b>PO18</b>	Has effective communication skills							
	<b>PO19</b>	Defines professional duties and responsibilities legally and applies them within the framework of ethical principles.							

PO20	Has lifelong learning skills related to the profession	✓	✓	✓	✓	✓	✓		
PO21	Can use foreign language effectively to follow professional developments								
PO22	Knows and applies quality, occupational health and safety issues related to the profession								

**PART III (Department Board Approval)**

Course Contents, Contribution of Course Contents to Learning Outcomes, and Methods for Assessing Learning of Course Contents	Subject	Week	Details of Course Contents	LO1	LO2	LO3	LO4	LO5	LO6	LO7
	S1	1	Epilepsy	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S2	2	Neurological examination	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S3	3	Medulla spinalis diseases	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S4	4	Polyneuropathies	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S5	5	Extrapyramidal system diseases, Demyelinating diseases	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S6	6	Cerebellar system diseases Cerebrovascular diseases	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S7	7	Trap neuropathies Muscle diseases Basal ganglia diseases	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S8	8	Midterm Exam Week	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S9	9	Pediatric brain tumors Vascular anatomy SAH, Aneurysm, AVM	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S10	10	Head trauma CRPS, hydrocephalus	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S11	11	Post-op early care after intracranial surgery Spinal cord	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S12	12	Congenital anomalies (spina bifida, syringomyelia,	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S13	13	Lumbal, thoracic and cervical disc hernias	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4
	S14	14	Peripheral nerve lesions Pain and spasticity surgery	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4

Assessment Methods, Weights in Grading Scheme, Implementation and Make-Up Rules	No	Type	Weight	Implementation Rule	Make-Up Rule
	A1	Exam-Final Jury, Final Project	60%	One final exam is applied. Exam dates are announced by the faculty.	ABU's relevant regulation is applied.
	A2	Quiz			
	A3	Homework			
	A4	Midterm	40%	1 midterm exam (visa) is applied. Exam dates are announced by the faculty	ABU's relevant regulation is applied.
	A5	Project			
	A6	Presentation			
	A7	Attendance/Interaction			
	A8	Class/Lab./			
	A9	Others			
<b>TOTAL</b>			<b>100%</b>		

**Evidence of Achievement of Learning Outcomes** At least one question from each subject is asked during the exams. A weighted average is calculated for each student based on the percentage of each assessment method. Students are required to collect a minimum score over 100, which is announced by the instructor, to pass the course. This score is determined based on class average.

Method for Determining Letter Grade	Direct Conversion System ("DDS" in the regulation.)		<input checked="" type="checkbox"/>	Relative Evaluation ("BDS" in the regulation.)		<input type="checkbox"/>	
	A different method/system, not listed above, determined by the Faculty Member / Instructor (This method is explained below)						<input type="checkbox"/>
		<u>Success Grade Range</u>	<u>Letter Success Note</u>	<u>Success Coefficient</u>	<u>Success Assessment</u>		
		95-100	A+	4,00	Successful		
		85-94	A	4,00	Successful		
		80-84	A-	3,70	Successful		
		75-79	B+	3,30	Successful		
		70-74	B	3,00	Successful		
		65-74	B-	2,70	Successful		
		60-64	C+	2,30	Successful		
	55-59	C	2,00	Successful			
	50-54	C-	1,70	Passes			
	45-49	D+	1,30	Unsuccessful			
	40-44	D	1,00	Unsuccessful			
	0-39	F	0	Unsuccessful			

Teaching Methods, Student Work Load	No	Method	Explanation	Total Hours			
	<b>Time expected to be allocated by instructor</b>						
	1	Lecture	Lesson topics are explained by writing on the board or with a computer presentation. Sample questions are solved during the lesson.	28			
	2	Interactive Lecture					
	3	Recitation					
	4	Laboratory					
	5	Practical					
	6	Field Work					
	<b>Time expected to be allocated by student</b>						
	7	Project					
	8	Homework					
	9	Pre-class Learning of Course Material	New topics are learned before being taught in the classroom.	28			
	10	Review of Course Material	Topics are repeated to prepare for exams and assignments.	28			
11	Studio						
12	Office Hour						
<b>Calculated ECTS Credit(s)</b>		<b>Max.</b>	<b>3</b>	<b>Min.</b>	<b>2</b>	<b>Grand Total</b>	<b>84</b>

**IV. PART**

<b>Instructor</b>	Name Surname	
	E-mail	
	Phone Number	
	Office Number	
	Office Hours	
<b>Course Materials</b>	Mandatory	
	Recommended	Principles of internal medicine (Harrison)
<b>Other</b>	Scholastic Honesty	Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Any form of scholastic dishonesty is a serious academic violation and will result in a disciplinary action. It is explained in Article 25 of the Directive on Associate and Undergraduate Programs of Antalya Bilim University.
	Students with Disabilities	Reasonable accommodations will be made for students with verifiable disabilities.
	Safety Issues	The course does not require any special security measures.
	Flexibility	Circumstances may arise during the course that prevents the instructor from fulfilling each and every component of this syllabus; therefore, the syllabus is subject to change. Students will be notified prior to any changes.

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