ECTS COURSE DESCRIPTION FORM

PART I (Senate Approval)

Offering School	Antalya Bilim University		**Offering Department**	Physical Therapy and Rehabilitation
Program(s) Offered to	Physical Therapy and Rehabilitation	☐		☐
		☐		☐
		☐		☐
Course Name	Neurological Rehabilitation		**Course Code**	FTR 324
Level of Course	Undergraduate		**Type of Course**	Theoric, Pratical
Language of Instruction	Turkish		**ECTS Credits**	3

Hours per Week	Lecture:	2	Practical:	1	Studio:	
	Laboratory:		Recitation:		Other:	

Pre-requisites	None	**Co-requisites**	None	
Registration Restriction	None	**Grading Mode**	Letter Grade	

Educational Objective	To ensure comprehending of, clinical characteristics of neurological diseases, mechanism formations of symptoms and signs that reveal in human body, measurement and assessment methods that used in neurological rehabilitation, application of neurophysiologic based techniques according to the case characteristics, to improve clinical decision making and problem solving skills in neurologic rehabilitation.
Course Description	Clinical characteristics of common neurologic disease such as movement disorders, demyelinating diseases, neuromuscular diseases, clinical characteristics of upper and lower motor neuron diseases in terms of physiotherapy programs, patient-oriented measurement- assessment and neurophysiologic based treatment program, prepare project.

Learning Outcomes	LO1	Describe the neurologic diseases characteristics.
	LO2	Classify the diseases according to central and peripheral nervous system characteristics and describe the clinical properties of upper and lower motor neuron.
	LO3	Comprehending the neurophysiologic based measurement and assessment methods concerning with upper and lower motor neuron
	LO4	Describe the effects of neurologic diseases on body functions, activity and participation;plan the treatment program in the process of clinical decision-making.
	LO5	
	LO6	
	LO7	

PART II (Faculty Board Approval)

		Program Outcomes	LO1	LO2	LO3	LO4	LO5	LO6	LO7
Basic Outcomes (University-wide)	PO1	Ability to communicate effectively and write and present a report in Turkish and English.							
	PO2	Ability to work individually, and in intra-disciplinary and multi-disciplinary teams.	✓	✓	✓	✓	✓		
	PO3	Recognition of the need for life-long learning and ability to access information , follow developments in science and technology, and continually reinvent oneself.	✓	✓	✓	✓	✓		
	PO4	Knowledge of project management, risk management, innovation and change management, entrepreneurship, and sustainable development.							
	PO5	Awareness of sectors and ability to prepare a business plan.							
	PO6	Understanding of professional and ethical responsibility and demonstrating ethical behavior.	✓	✓	✓	✓	✓		
Faculty Specific Outcomes	PO7	Having universal thoughts and values	✓	✓	✓	✓	✓		
	PO8	To be committed to academic and ethical values	✓	✓	✓	✓	✓		
	PO9	To provide qualified education, research and consultancy services at universal information and technology standards			✓	✓	✓		
	PO10	To be open to new goals, strategies and action plans that will take undergraduate and graduate education / training programs and scientific studies further	✓	✓	✓	✓	✓		
	PO11	To support, maintain and increase interdisciplinary / multidisciplinary studies in the services provided.	✓	✓	✓	✓			
	PO12	To contribute and develop health policies for the benefit of the country.	✓	✓	✓	✓	✓		
Program Specific Outcomes	PO13	Explains the theoretical knowledge about basic medicine and clinical sciences with the main lines and relates them to physiotherapy.	✓						
	PO14	Applies Physiotherapy and Rehabilitation assessment methods, analyzes and interprets theoretical knowledge by associating	✓	✓	✓	✓	✓		
	PO15	Plans and implements the individual physiotherapy and rehabilitation program	✓	✓		✓	✓		
	PO16	Records and archives assessment and treatment data	✓	✓	✓				
	PO17	Plans, conducts and presents a scientific research	✓	✓	✓	✓	✓		
	PO18	Has effective communication skills				✓	✓		
	PO19	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)										
	Subject	Week	Details of Course Contents	LO1	LO2	LO3	LO4	LO5	LO6	LO7
Course Contents, Contribution of Course Contents to Learning Outcomes, and Methods for Assessing Learning of Course Contents	S1	1	Characteristics and mechanism formation of spinal cord injuries	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S2	2	Pathophysiology of spasticity, assessment and inhibitory methods	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S3	3	Clinical characteristics of complete and incomplete spinal cord injuries according to the levels and treatment methods	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S4	4	Components of normal movements and description, pathophysiology, assessment methods of ataxia	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S5	5	Neurophysiologic based treatment methods and applications specific for sclerosis type	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S6	6	Clinical characteristics of multiple sclerosis, measurement-assessment methods and rehabilitation of multiple sclerosis	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S7	7	Clinical characteristics and measurement -assessment methods of Parkinson Disease	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		
	S9	9	Rehabilitation methods in Parkinson disease.	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S10	10	Peripheral neuropathies and rehabilitation.	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S11	11	Neuromuscular diseases and rehabilitation.	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S12	12	Spina bifida and rehabilitation.	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S13	13	Disc herniations and rehabilitation	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S14	14	Subarachnoid hemorrhage, spinal and intracranial tumors and rehabilitation.	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		

	No	Type	Weight	Implementation Rule	Make-Up Rule
Assessment Methods, Weights in Grading Scheme, Implementation and Make-Up Rules	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	Field Work			
	A9	Others			
		TOTAL	100%		

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.) ☑	Relative Evaluation ("BDS" in the regulation.) ☐
	A different method/system, not listed above, determined by the Faculty Member / Instructor (This method is explained below) ☐	

Success Grade Range	Letter Success Note	Success Coefficient	Success Assessment
	A+	4,00	Successful
95-100	A	4,00	Successful
85-94	A-	3,70	Successful
80-84	B+	3,30	Successful
75-79	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

	No	Method	Explanation	Total Hours
Teaching Methods, Student Work Load		**Time expected to be allocated by instructor**		
	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	It includes lectures made by showing with applications.	14
	6	Field Work		
		Time expected to be allocated by student		
	7	Project		
	8	Homework		
	9	Pre-class Learning of Course Material	New topics are learned before being taught in the classroom.	20
	10	Review of Course Material	Topics are repeated to prepare for exams and assignments.	20
	11	Studio		
	12	Office Hour		
		Calculated ECTS Credit(s)	Max.	3	Min.	2	Grand Total	82

IV. PART		
Instructor	**Name Surname**	
	E-mail	
	Phone Number	
	Office Number	
	Office Hours	
Course Materials	**Mandatory**	
	Recommended	Umphred's Neurological Rehabilitation, six'th edition, Darcy A. Umphred, Gordon U Burton, Rolando T Lazaro, Margaret L Roller.Elsevier Mosby 2013.
		York: McGraw-Hill/ Medical, 2014.
		Öznur Yılmaz, Pelikan Kitapevi, Ankara 2016.
		Muhammed Kılınç, Sibel Aksu Yıldırım, Vize Yayıncılık, Ankara, 2019.
Other	**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 for 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.