

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	<input type="checkbox"/>			<input type="checkbox"/>	
		<input type="checkbox"/>			<input type="checkbox"/>	
		<input type="checkbox"/>			<input type="checkbox"/>	
Course Name	Manipulative Therapy II		Course Code	FTR 224		
Level of Course	Undergraduate		Type of Course	Theoric, Pratical		
Language of Instruction	Turkish		ECTS Credits	3		
Hours per Week	Lecture:	1	Practical:	1	Studio:	
	Laboratory:		Recitation:		Other:	
Pre-requisites	None		Co-requisites	None		
Registration Restriction	None		Grading Mode	Letter Grade		
Educational Objective	To introduced the conditions which produce pain, inflammation and limited motion in joints and soft tis-sue structures; to provide acknowledgement of basic evaluation methods; to acquired skill of basic mobi-lization and manipulation application techniques for the treatment of these conditions.					
Course Description	Functional anatomy, physiology, biomechanics and pathomechanics of joints and soft tissues; effects of immobilization; joint/soft tissue manipulation, mobilization, manual traction, and transverse friction techniques; basic features, indications, side effects, and contraindications; Basic measurement, evalua-tion, and different manual therapy applications on joint and soft tissue pathophysiology and healing pha-ses; effects of manual techniques on muscle activity; principles of neuromotor and manual tactics and specific application principles to physiotherapy; In the biopsychosocial context, the ability to decide on the effective technique, position the patient and apply the technique with the evaluation and analytical approaches by ensuring patient safety with clinical examples are gained in the course.					
Learning Outcomes	LO1	Describes functional anatomy of the vertebral column and peripheral joints				
	LO2	Comprehends the mechanism of effectiveness of mobilization, manipulation and transverse friction techniques				
	LO3	Describes clinical characteristics of the joint and soft tissue problems, percie-ves and applies of basic evaluation techniques				
	LO4	Observes and repeats the application of mobilization, manipulation and trans-verse friction techniques				
	LO5	Make decisions about the technique of manuel therapy in the treatment of joint, soft tissue and muscle injuries				
	LO6					

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)

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	Functional anatomy, biomechanics and pathomechanics of joints and soft tissues and principals of basic evaluation	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S2	2	Mode of action and principals of application of transversers	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S3	3	Application of transversers friction massage for the treatment of tendon, ligament and musc-le injuries of upper	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S4	4	Application of transversers friction massage for the treatment of tendon, ligament and musc-le injuries of lower	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S5	5	Transversers friction technique -Decision making and	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S6	6	Review of regional functional anatomy applied to manual	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S7	7	Cervical disk lesions and manipulation procedure	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S8	8	Midterm Exam Week (Theoretical and Practical)	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S9	9	Lumbar disk lesions and manipulation procedure	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S10	10	Functional anatomy and pathomechanics of peripheral joints and principals of basic evaluation procedures.	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S11	11	Mobilization and manipulation applications of the upper extremity	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S12	12	Mobilization and manipulation applications of the upper	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S13	13	Mobilization and manipulation applications of the lower	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4		
	S14	14	Mobilization and manipulation applications of the lower extremity	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			
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.)	<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"/>																																																		
	<table border="1"> <thead> <tr> <th>Success Grade Range</th> <th>Letter Success Note</th> <th>Success Coefficient</th> <th>Success Assessment</th> </tr> </thead> <tbody> <tr><td>95-100</td><td>A+</td><td>4,00</td><td>Successful</td></tr> <tr><td>85-94</td><td>A</td><td>4,00</td><td>Successful</td></tr> <tr><td>80-84</td><td>A-</td><td>3,70</td><td>Successful</td></tr> <tr><td>75-79</td><td>B+</td><td>3,30</td><td>Successful</td></tr> <tr><td>70-74</td><td>B</td><td>3,00</td><td>Successful</td></tr> <tr><td>65-74</td><td>B-</td><td>2,70</td><td>Successful</td></tr> <tr><td>60-64</td><td>C+</td><td>2,30</td><td>Successful</td></tr> <tr><td>55-59</td><td>C</td><td>2,00</td><td>Successful</td></tr> <tr><td>50-54</td><td>C-</td><td>1,70</td><td>Passes</td></tr> <tr><td>45-49</td><td>D+</td><td>1,30</td><td>Unsuccessful</td></tr> <tr><td>40-44</td><td>D</td><td>1,00</td><td>Unsuccessful</td></tr> <tr><td>0-39</td><td>F</td><td>0</td><td>Unsuccessful</td></tr> </tbody> </table>	Success Grade Range	Letter Success Note	Success Coefficient	Success Assessment	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	
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No	Method	Explanation	Total Hours
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.	14
2	Interactive Lecture		
3	Recitation		
4	Laboratory		
5	Practical		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.	28
10	Review of Course Material	Topics are repeated to prepare for exams and assignments.	28
11	Studio		
12	Office Hour	One-on-one meeting with the faculty member	
Calculated ECTS Credit(s)		Max.	3
		Min.	2
		Grand Total	84

IV. PART

Instructor	Name Surname	
	E-mail	
	Phone Number	
	Office Number	
	Office Hours	
Course Materials	Mandatory	
	Recommended	Kesson M, Atkins E : Orthopaedic Medicine: a practical approach. 2 nd edition, Butterworth- Cyriax H J, Cyriax P J: Cyriax's Illustrated Manual of orthopaedic Medicine. 2nd edition. Cyriax J.H. :Textbook of Orthopaedic Medicine, volume II : Treatment by manipulation, massage
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 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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