

MANIPULATIVE THERAPY II

1	Course Title:	MANIPULATIVE THERAPY II
2	Course Code:	FTR2004
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	4
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	FTR1001 ANATOMY I
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Uzman MAHMUT ÇALIK
15	Course Lecturers:	-
16	Contact information of the Course Coordinator:	Uzm. Fizyoterapist Mahmut ÇALIK mahmutcalik@uludag.edu.tr
17	Website:	
18	Objective of the Course:	To introduced the conditions which produce pain, inflammation and limited motion in joints and soft tissue structures; to provide acknowledgement of basic evaluation methods; to acquired skill of basic mobilization and manipulation application techniques for the treatment of these conditions.
19	Contribution of the Course to Professional Development:	Students will gain theoretical and practical skills about the mobilization techniques that they will use frequently in the profession.
20	Learning Outcomes:	
	1	Describes functional anatomy of the vertebral column and peripheral joints.
	2	Comprehends the mechanism of effectiveness of mobilization, manipulation and transverse friction techniques.
	3	Describes clinical characteristics of the joint and soft tissue problems, percieves and applies of basic evaluation techniques.
	4	Observes and repeats the application of mobilization, manipulation and transverse friction techniques.
	5	Make decisions about the technique of manuel therapy in the treatment of joint, soft tissue and muscle injuries.
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21	Course Content:	

Course Content:		
Week	Theoretical	Practice
1	Functional anatomy, biomechanics and pathomechanics of joints and soft tissues and principals of basic evaluation	Functional anatomy, biomechanics and pathomechanics of joints and soft tissues and principals of basic evaluation
2	Mode of action and principals of application of transvers friction technique	Mode of action and principals of application of transvers friction technique
3	Application of transvers friction massage for the treatment of tendon, ligament and muscle injuries of upper extremity	Application of transvers friction massage for the treatment of tendon, ligament and muscle injuries of upper extremity
4	Application of transvers friction massage for the treatment of tendon, ligament and muscle injuries of lower extremity	Application of transvers friction massage for the treatment of tendon, ligament and muscle injuries of lower extremity
5	Transvers friction technique -Decision making and treatment applications	Transvers friction technique -Decision making and treatment applications
6	Review of regional functional anatomy applied to manual medicine	Review of regional functional anatomy applied to manual medicine
7	Repetition of practical applications	Repetition of practical applications
8	Cervical disk lesions and manipulation procedure	Cervical disk lesions and manipulation procedure
9	Lumbar disk lesions and manipulation procedure	Lumbar disk lesions and manipulation procedure
10	Clinical models and treatment principals of cervical and lumbar disk lesions	Clinical models and treatment principals of cervical and lumbar disk lesions
11	Functional anatomy and pathomechanics of peripheral joints and principals of basic evaluation procedures.	Functional anatomy and pathomechanics of peripheral joints and principals of basic evaluation procedures.
12	Mobilization and manipulation applications of the upper extremity	Mobilization and manipulation applications of the upper extremity
13	Repetition of practical applications	Repetition of practical applications
14	Mobilization and manipulation applications of the lower extremity	Mobilization and manipulation applications of the lower extremity
22	Textbooks, References and/or Other Materials:	Kesson M, Atkins E : Orthopaedic Medicine: a practical approach. 2 nd edition, Butterworth-Heinemann 2005. . 1-Kesson M, Atkins E : Orthopaedic Medicine: a practical approach. 2 nd edition, Butterworth-Heinemann 2005. . 2-Cyriax H J, Cyriax P J: Cyriax's Illustrated Manual of orthopaedic Medicine. 2nd edition. Butterworth Heinemann 1996. 3- Cyriax J.H, :Textbook of Orthopaedic Medicine, volume II : Treatment by manipulation, massage and injection, tenth edition, Ballière Tindall . 1980
23	Assesment	
TERM LEARNING ACTIVITIES		
	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Multiple choice tests, matching items, true-false tests, open-ended questions

24 ECTS / WORK LOAD TABLE

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	14	3.00	42.00
Homeworks	2	10.00	20.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	1.00	1.00
Others	0	0.00	0.00
Final Exams	1	1.00	1.00
Total Work Load			121.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	5	4	4	4	4	5	5	4	4	4	5	5	4	5	5
ÖK2	4	5	4	5	5	4	4	4	4	5	5	5	4	5	4	5
ÖK3	4	4	4	5	5	5	5	4	5	5	5	5	4	4	4	5
ÖK4	5	4	5	5	4	4	4	4	5	5	5	5	5	5	5	5
ÖK5	5	4	5	4	4	5	4	4	5	4	5	5	5	5	5	5
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			