BASIC MEASUREMENT TECNIQUES

1	Course Title:	BASIC MEASUREMENT TECNIQUES	
2	Course Code:	FTR2001	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
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:	Doç. Dr. Özden ÖZKAL	
15	Course Lecturers:	Prof. Dr. Defne Kaya Utlu Öğ. Gör. Dr. Çetin Sayaca	
16	Contact information of the Course Coordinator:	e-posta:ozdenozkal@uludag.edu.tr tel:0224-2942450/55372 Adres: Bursa Uludağ Üniversitesi Sağlık Bilimleri Fakültesi Fizyoterapi ve Rehabilitasyon Bölümü Görükle Kampüsü-Bursa	
17	Website:		
18	Objective of the Course:	The aim of the course is to provide students with practical-theoretical knowledge and skills on the basic principles of movement, normal joint movement and muscle strength measurements.	
19	Contribution of the Course to Professional Development:	Professionally, this course will provide students with the competence to measure physiotherapy specific muscle strength and normal range of motion before creating an exercise prescription.	
20	Learning Outcomes:		
		1	Gains the ability to measure upper extremity normal joint motion.
		2	Gains the ability to measure lower extremity normal joint motion.
		3	Gains the ability to measure spine normal joint motion.
		4	Gains the ability to measure upper extremity muscle strength.
		5	Gains the ability to measure lower extremity muscle strength.
		6	Gains the ability to measure body, head and neck muscle strength.
		7	
		8	
		9	
		10	
21	Course Content:		
	Course Content:		
Week	Theoretical	Practice	

1	Fundamentals of Force and Joint Motion Measurement	Fundamentals of Force and Joint Motion Measurement
2	Muscular Strength - Endurance and Power	Muscular Strength - Endurance and Power
3	Normal joint movement measurement (upper extremity)	Normal joint movement measurement (upper extremity)
4	Normal joint range of motion measurement (spine)	Normal joint range of motion measurement (spine)
5	Normal joint movement measurement (lower extremity)	Normal joint movement measurement (lower extremity)
6	Muscle strength measurement (Head-neck-trunk)	Muscle strength measurement (Head-neck-trunk)
7	Muscle strength measurement (upper extremity)	Muscle strength measurement (upper extremity)
8	Muscle strength measurement (lower extremity)	Muscle strength measurement (lower extremity)
9	Case examples of normal joint motion and strength measurements of the spine	Case examples of normal joint motion and strength measurements of the spine
10	Case examples of normal joint motion and strength measurements of the spine	Case examples of normal joint motion and strength measurements of the spine
11	Case examples of upper extremity normal joint motion and strength measurements	Case examples of upper extremity normal joint motion and strength measurements
12	Case examples of upper extremity normal joint motion and strength measurements	Case examples of upper extremity normal joint motion and strength measurements
13	Case examples of lower extremity normal joint motion and strength measurements	Case examples of lower extremity normal joint motion and strength measurements
14	General practice review	General practice review

22	Textbooks, References and/or Other Materials:	1. Otman AS, Köse N. Basic Evaluation Principles in Treatment Movements. 11th edition Hippocrates Bookstore, Ankara, 2019.
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	2	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	3	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		Relative evaluation

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	4.00	56.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	2	1.00	2.00
Others	0	0.00	0.00
Final Exams	1	1.00	1.00
Total Work Load			115.00
Total work load/ 30 hr			3.83
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	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High