	CLINIC	CAL B	SIOMECHANICS						
1	Course Title:	CLINICA	AL BIOMECHANICS						
2	Course Code:	FTR101	0						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	cle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	3.00							
8	Theoretical (hour/week):	2.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Dr. Ögr.	Üyesi Özden ÖZKAL						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	tel:0224- Adres: B	ozdenozkal@uludag.edu.tr -2942450/55372 Bursa Uludağ Üniversitesi Sağlık Bilimleri Fakültesi api ve Rehabilitasyon Bölümü Görükle Kampüsü-Bursa						
17	Website:								
18	Objective of the Course:	To define basic terms and principles related to clinical biomechanics, to approach and analyze the situations encountered in clinical problem solving biomechanically.							
19	Contribution of the Course to Professional Development:	physioth	ressional contribution of this course is to provide a basis for the patient during case evaluation and rehabilitation s.						
20	Learning Outcomes:								
		1	Define the basic definitions and principles of biomechanics.						
		2	Explain the basic principles of force and motion.						
		3	Explain the biomechanical properties of tissues.						
		4	Explains the biomechanical properties of joints.						
		5	Explain the biomechanical properties of gait.						
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
Week	Theoretical		Practice						
1	Introduction to the course, informing the course	about							
2	Introduction to biomechanics basic of	concepts							
3	Biomechanical properties of tissues: ligament	tendon							

4	Bion	nech	anical	prope	rties	of tissu	ies: bo	one													
5	Bion	iomechanical properties of tissues: muscle																			
6	Bion	siomechanical properties of tissues: nerve																			
7	Upper extremity biomechanics: Shoulder biomechanics																				
8	Upper limb biomechanics: Elbow and hand biomechanics																				
9	Spine biomechanics																				
10	Lower extremity biomechanics: Pelvis and hip biomechanics																				
11		Lower extremity biomechanics: Knee biomechanics																			
12		Lower extremity biomechanics: foot biomechanics																			
13	Gait	Gait and balance biomechanics																			
14	Bion	Biomechanical research areas																			
22 Activit	Materials: É								2. mo 2. Pr 3. Pr 4.	Lecture Notes. Akalan NE, Temelli Y. Lecture with basic kinesiomechanical clinical examples. İstanbul tıp kitabevleri,2016. Peterson Dr, Bronzino JD. Biomechanics: Principles and Practices. CRC Press, Taylor and Francis Group, 2015. Winkelstein, Beth A. Orthopaedic biomechanics. CRC Press, 2013. LeVeau BF. Biomechanics of Human Motion. Basics Number Duration (hour) Total Work											
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Th 2-3 re	ti (} 3\$€	esme	nt							14						28.00					
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	Sinates se Grade							Ш	1						20.00						
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Total w									10	0.00				3.00							
ECTS (Credi	t of tl	he Co	urse						3.00											
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25											OUTC		S TO I	PROC	SRAM	ME					
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ÖK2	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0				

ÖK3

ÖK4	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																
Contrib 1 very low ution Level:			2	2 low		3 1	Medi	um	4 High			5 Very High				