		ECTS COURSE DES		FORM						
		PART I (Senat	e Approval)	Offering						
Offering School	-	m University		Departme	ent	Physical T	herapy and	Rehabilitati		
Program(s) Offered to	Physical The	erapy and Rehabilitation								
C N	Electrothers	av II		C	N. J.	FTR 226				
Course Name Level of Course	Electrothera Undergradu			Course C Type of		Theoric				
Language of Instruction	Turkish			ECTS C	redits	4				
	Lecture:	1	3 Studio:							
Hours per Week	Laboratory:				Other:					
Pre-requisites	None			Co-requisites None						
Registration Restriction	None			Grading	Mode	Letter Gra	de			
Educational Objective	To provide currents.	knowledge of thermal principles of electrotherapy modalities,	, tissue responses to	modalities	, and mech	anisms and	application	n tecniques o	f high frequ	iency
Course Description		phonophoresis, shortwave diathermy, radar, microwave diathermination of electrot-herapeutic agents, application method							ipy and reha	abilitation
	LO1 LO2	Improves their understanding of fundamentals Learns effects and application tecniques of high frequency cur	rrents.							
Learning Outcomes	LO3									
Learning Outcomes	LO4 LO5									
	LO6									
	ı	PART II (Faculty I	Board Approva		1.02	1.01	1.04	105	100	107
	PO1	Program Outcomes Ability to communicate effectively and write and present a re	port in Turkish	LO1	LO2	LO3	LO4	LO5	LO6	LO7
	PO2	and English. Ability to work individually, and in intra-disciplinary and mu	lti-disciplinary		√					
n : o :	PO3	teams. Recognition of the need for life-long learning and ability to access information , follow developments in science and technology, and continually reinvent oneself.								
Basic Outcomes (University-wide)	PO4	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 $\dot{\alpha}$ ethical behavior.	lemonstrating	✓	✓					
	PO7	Having universal thoughts and values		✓						
Faculty Specific Outcomes	PO8	To be committed to academic and ethical values		✓						
	PO9	To provide qualified education, research and consultancy servinformation and technology standards	vices at universal	✓						
	PO10	To be open to new goals, strategies and action plans that will t and graduate education / training programs and scientific stu		✓						
	PO11	To support, maintain and increase interdisciplinary / multidis the services provided.	sciplinary studies in	✓						
	PO12	To contribute and develop health policies for the benefit	of the country.	✓						
	PO13	Explains the theoretical knowledge about basic medicine and with the main lines and relates them to physiotherapy.	clinical sciences	✓	✓					
	PO14	Applies Physiotherapy and Rehabilitation assessment method interprets theoretical knowledge by associating	s, analyzes and	✓	✓					
	PO15	Plans and implements the individual physiotherapy and rehab	oilitation program	✓	✓					
PO16 Reco		Records and archives assessment and treatment data	✓	✓						
Program Specific Outcomes	PO17	Plans, conducts and presents a scientific research								
	PO18	Has effective communication skills	✓	✓						
	PO19	Defines professional duties and responsibilities legally and app the framework of ethical principles.	✓	✓						
	PO20	Has lifelong learning skills related to the profession		✓	✓					
	PO21	Can use foreign language effectively to follow professional dev	✓	✓]		

PO22 Knows and applies quality, occupational health and safety issues related to the profession

	Subject	Week	Ī	PART III (I	Departmen		ard Appr	oval)	LO2	L03	LO4	LO5	LO6	L07	
	Subject S1	week 1	Thorns			cins		LUI	1.02	1.03	LU4	1.05	LOU	LU/	
			Thermal and Non-Thermal Effects					A1/A4	A1/A4						
	S2	2	Generation of High Frequency Currents					A1/A4	A1/A4						
	S3	3 Properties and Classification of High Fr					cy Currents	A1/A4	A1/A4						
	S4	4 Properties of Short Wave Diathermy						A1/A4	A1/A4						
Course Contents,	S5	5	Application of Short Wave Diathermy					A1/A4	A1/A4						
Contribution of Course Contents to Learning Outcomes, and Methods for Assessing Learning of Course Contents	S6	6	Properties of Pulsed Short Wave Diathermy Properties of Micro Current Diathermy					A1/A4	A1/A4						
	S7 S8	7 8	8 Midterm Exam Week (Theoretical and Practical)					A1/A4 A1/A4	A1/A4 A1/A4						
	S9	9	9 Properties of Ultrasound waves				,	A1/A4	A1/A4						
	S10	10	Applications of Ultrasound					A1/A4	A1/A4						
	S11	11	Magnetotherapy					A1/A4	A1/A4						
	S12	12	Magnet	totherapy			A1/A4	A1/A4							
	S13	13	Extracorporeal Shock Wave Therapy (ESWT)				A1/A4	A1/A4							
	S14	14	Environmental Electro Pollution				A1/A4	A1/A4							
	No	Туре				V	Veight	Imp	lementation	Rule		Make-U	p Rule		
	A1	Exam-Final Jury,Final Project					60%	One final exam is applied. Exam dates are announced by the faculty.			ABU's	J's relevant regulation is applied.			
	A2	Quiz													
Assessment Methods,	A3	Homework													
Weights in Grading Scheme, Implementation and Make-Up Rules	A4	Midterm					40%		midterm exam (visa) is applied. Exam dates are announced by the faculty ABU			's relevant regulation is applied.			
	A5	Project													
	A6	Presentation													
	A7	Attendence/Interaction													
	A8	Class/Lab./ Others													
	A9	9 Others TOTAL 100%													
Evidence of Achievement	At least one of	question from each sul			. A weighted a			for each stud	lent based or	the percent	age of each a	assessment me	thod. Stude	nts are	
of Learning Outcomes	_	ollect a minimum scor				ctor, to j							1		
	Direct Conversion System ("DDS" in the regulation.) Relative Evaluation ("BDS" in the regulat A different method/system, not listed above, determined by the Faculty Member / Instructor (This method is explained below)								ation.)						
	Success Grade Letter Suc						Success	Success Asse		is explained	below)				
				Range	Note	C	oefficient		33III GIIC						
				95-100	A+	4,0		Successful Successful							
Method for Determining				85-94	A- B+	3,7	70	Successful Successful							
Letter Grade				80-84 75-79	В+	3,00 St.		Successful							
				65-74 60-64	B- C+	2,3		Successful Successful							
				55-59	С	2,0	00	Successful							
				50-54 45-49	C- D+	1,7		Passes Unsuccessfu							
				40-44 0-39	D F	1,0	00	Unsuccessfu Unsuccessfu							
	No			Method					Expla	nation		Т	otal Hours	S	
	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													
Teaching Methods, Student Work Load	3	Recitation													
	4	Laboratory Practical						+			42				
	6	Field Work										42			
	6 Field Work Time expected to be allocated by student														
	7														
	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				110		
	Calculated ECTS Credit(s) Max. 4 Min. 3 Grand Total 112														

	IV. 1	PART						
	Name Surname							
Instructor	E-mail							
	Phone Number							
	Office Number							
	Office Hours							
	Mandatory							
Course Materials	Recommended	Nuray Kırdı, Nihal Şimşek, Aydın Meriç, Çiğdem Ayhan, Özlem Yürük (Ed.) ?Elektroterapide Temel Pl John Low, Ann Reed "Electrotherapy explained: principles and practice" Oxford, 2004. Shelia Kitchen "Electrotherapy: evidence-based practice"Edinburg, 2002. Theresa Nalty. "Electrotherapy clinical procedures manual" New York, 2001. Steven L. Wolf,						
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.						

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