

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	Biochemistry in Physiotherapy			Course Code	FTR 126		
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	Teaching basic biochemical concepts required for health sciences.						
Course Description	Define the structural and functional properties of biomolecules and hormones, biomolecules and mechanisms involved in signal transduction, the functioning of metabolism.						
Learning Outcomes	LO1	Learns the structural and functional properties of biomolecules and hormones.					
	LO2	Learns the biomolecules and mechanisms involved in signal transmission.					
	LO3	Learns the functioning of metabolism according to bioenergetic principles.					
	LO4						
	LO5						
	LO6						
	LO7						

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	Chemical bonds, water and buffers	A1/A4	A1/A4	A1/A4					
	S2	2	Amino acids and proteins	A1/A4	A1/A4	A1/A4					
	S3	3	Enzymes and coenzymes	A1/A4	A1/A4	A1/A4					
	S4	4	Carbohydrates	A1/A4	A1/A4	A1/A4					
	S5	5	Lipids and biological membranes	A1/A4	A1/A4	A1/A4					
	S6	6	Signal transmission mechanisms	A1/A4	A1/A4	A1/A4					
	S7	7	Hormones	A1/A4	A1/A4	A1/A4					
	S8	8	Midterm Exam Week	A1/A4	A1/A4	A1/A4					
	S9	9	Basic concepts of bioenergetics and metabolism	A1/A4	A1/A4	A1/A4					
	S10	10	Carbohydrate metabolism	A1/A4	A1/A4	A1/A4					
	S11	11	Lipid metabolism	A1/A4	A1/A4	A1/A4					
	S12	12	Amino acid and protein metabolism	A1/A4	A1/A4	A1/A4					
	S13	13	Integration of metabolism	A1/A4	A1/A4	A1/A4					
	S14	14	Basic concepts in clinical biochemistry	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.

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"/>	

Method for Determining Letter Grade	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

Teaching Methods, Student Work Load	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	It includes lectures made by showing with applications.	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						
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	Lippincott Biyokimya, 3. Baskı. Editörler: Champe PC, Harvey RA, Ferrier DR.
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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