

FTR112 - Physiology II

Course Name	Code	Term	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)		ECTS
Physiology II	FTR 112	1.year/2.term spring	4	-	-		4
Prerequisites							
Course language	Turkish						
Course type	Compulsory						
Learning and teaching strategies	Lecture,Discussion						
Instructor (s)							
Course objective(Aim of course)	To teach the students digestive system physiology and regulation of metabolism, functions of hormones, cardiovascular and respiratory physiology and blood cells and their functions.						
Learning outcomes	The students; 1) Explain the function of organs and systems						
References	1. Eric P. Widmaier ; Eric P. Widmaier, Hershel Raff, Kevin T. Strang ; çeviren Tuncay Özgünen Vander insan fizyolojisi : vücut fonksiyon mekanizmaları, Ankara : Güneş Tıp Kitabevleri, 2014 2. John E.Hall; çeviri editörü Berrak Çağlayan Yeğen; editör yardımcıları İnci Alican, Zeynep Solakoğlu. Tıbbi Fizyoloji, İstanbul : Nobel Tıp, 2013 3. Kim E. Barrett, Scott Boitano, Susan M. Barman, Heddwen L. Brooks ; çeviri editörü Hakkı Gökbel ; çeviri editör yardımcıları Nilsel Okudan, Serdar Gergerlioğlu, Muaz Belviranlı. Ganong'un tıbbi fizyolojisi. İstanbul : Nobel Tıp Kitabevleri, 2011						

Course outline weekly:

Weeks	Topics
1. Week	The physiology of the digestive system
2. Week	The physiology of the digestive system
3. Week	Urinary tract physiology
4. Week	The physiology of Endocrine system
5. Week	The physiology of Endocrine system
6. Week	Reproductive physiology
7. Week	Reproductive physiology, Cardiovascular system physiology
8. Week	Midterm Exam
9. Week	Cardiovascular system physiology
10. Week	Cardiovascular system physiology Blood cells, plasma
11. Week	Respiratory Physiology
12. Week	Respiratory Physiology
13. Week	Laboratory: Pulmonary Function Tests Blood pressure measurement
14. Week	General revision
15. Week	General revision

ECTS (Student Work Load Table)

Activities	Number	Duration	Total Work Load
Course Duration (X14)	14	4	56
Laboratory			
Practice			
Field Study			
Study Time Of Outside Of Class (Pre-Study, Practice, Etc.)	14	1	14
Presentations (Video shoot/Poster preparation/Oral presentation, Etc.)			
Seminars			
Project			
Case study			
Role playing, Dramatization			
Writing articles, Critique			
Time To Prepare For Midterm Exam	1	14	14
Final Exam Preparation Time	1	16	16
Total Work Load (hour) / 25(s)	100 / 25		
ECTS	4		

Evaluation System

Mid-Term Studies	Number	Contribution
Midterm exams	1	% 100
Quiz		
Laboratory		
Practice		
Field Study		
Course Internship (If There Is)		
Homework's		
Presentation and Seminar		
Project		
Other evaluation methods		
Total Time To Activities For Midterm		100
Final works		
Final	1	% 100
Homework		
Practice		
Laboratory		
Total Time To Activities For Midterm		100
Contribution Of Midterm Studies On Grades		% 40
Contribution Of Final Exam On Grades		% 60
Total		100

The relationship between learning outcomes and the program qualifications of the courses

Program Qualifications	Learning outcomes	
	L.O.1	L.O.2
1-Acquire proficient infrastructure related to the field of Physiotherapy and Rehabilitation, gain the ability to use theoretical and practical knowledge and skills in this field.	5	
2-Identify, define the factors affecting health and gain problem-solving skill by using the information they have; plan and implement a treatment and exercise program with appropriate evidence-based methods and new techniques.	5	
3-Gain the ability to use information technologies effectively, as well as the ability to select and use modern tools, techniques and agents necessary for physiotherapy and rehabilitation applications.		
4-Design individual and multidisciplinary research, keep records, prepare reports, analyze and interpret results for quality service and research in health sciences.		
5-They conduct a literature search to access the information by using evidence-based databases and information sources.		
6-Gain autonomy in interdisciplinary and individual studies, ability to work effectively and take responsibility and awareness of the universal and social effects of their professional practice.		
7-Adopt life-long learning; contribute to quality improvement, field-related training and introductory programs and exhibit their professional behavior at national and international level.		
8-Have deontological and ethical awareness in professional researches and applications.		

Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent