

# TOROS ÜNİVERSİTESİ

Vocational School  
First Aid And Emergency

## Course Information

PHYSIOLOGY					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
IAY105	Fall	2	0	2	2

Prerequisites and co-requisites	Nope
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Lec. Zehra GÜL KOÇAKLI
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise ( internship )	None
Objectives of the Course	The cells in the human body is about to begin,muscle, respiratory, circulatory, digestive, urinary, reproductive, endocrine and nervous systems and organs forming these systems and the mutual relations of the tasks of theoretical and practical teaching.
Contents of the Course	To understand the physiology and homeostasis. Structure of the cell, the cell membrane structure and function, cell organelles understand their duties. To understand general and specific information about the mechanism of contraction of the muscular system. To comprehend general and specific information about the nervous system and sensory organs . To understand general and specific information on the endocrine system. To understand general and specific information about the blood and circulatory system. To understand general and specific information about the respiratory system. To understand general and specific information about the urinary system. To understand general and specific information about the digestive system.

## Learning Outcomes of Course

#	Learning Outcomes
1	Introduction to physiology and to comprehend of homeostasis .
2	Cell structure, cell membrane structure and function, cell membrane and cell organelles general information about transportation to comprehend.
3	To understand general and specific information about the muscular system.
4	To comprehend general and specific information about the nervous system and sensory organs.

## Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Introduction to physiology and homeostasis	Presentation
2	Cell structure and functions	Presentation
3	Duties of cell organelles	Presentation
4	Transport phenomena in the cell membrane	Presentation
5	Physiology of the muscular system	Presentation
6	Physiology of the nervous system	Presentation
7	Physiology of the nervous system	Presentation

8	MIDTERM EXAM	Written Exam
9	Endocrine system physiology	Presentation
10	Blood physiology	Presentation
11	Circulatory physiology	Presentation
12	Respiratory physiology	Presentation
13	Urinary system physiology	Presentation
14	Physiology of the digestive system	Presentation
15	The physiology of the liver and pancreas	Presentation
16	Final Exam	Written Exam

## Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Sinir ve kas fizyolojisi temel bilgileri / Pınar, Lamia ; Lamia Pınar		
2	İnsan fizyolojisi : sağlık yüksek okulları hemşirelik, ebelik bölümleri / Binokay, Uğur Seçil ; Uğur Seçil Binokay ; Ayper Boğa Pekmezecmek		
3	Renkli Fizyopatoloji Atlası / Silbernagl, Stefan ; Stefan Silbernagl ; Florian Lang ; res. Rüdiger Gay, Astried Rothenburger ; çev. Tuncay Özgönen, İlknur Kozanoğlu, Kerem Tuncay Özgönen		
4	Kardiyopulmoner ve kan fizyolojisi / editör Refik Yiğit		

## Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

## Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Introduction to physiology and to comprehend of homeostasis .	6,7,10,13	1,2
2	Cell structure, cell membrane structure and function, cell membrane and cell organelles general information about transportation to comprehend.	7,8,12	1
3	To understand general and specific information about the muscular system.	9,10,13	1,2
4	To comprehend general and specific information about the nervous system and sensory organs.	6,7,10,11,14	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

## Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	1	14
3	Presentation and Seminar Preparation	5	1	5
4	Web Research, Library and Archival Work	5	1	5
5	Document/Information Listing	3	1	3
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	1	1

8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	1	1	1
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	1	1
16	Final Exam	1	1	1
				<b>60</b>