

COURSE DESCRIPTION

(1) GENERAL

SCHOOL	Health Sciences		
DEPARTMENT	Nursing		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	0805.1.003.0	SEMESTER	1 st
COURSE TITLE	Physiology I		
SELF-ENDED TEACHING ACTIVITIES		TEACHING HOURS/ WEEK	CREDIT UNIS (ECTS)
Theory		2	
Coaching School			
Total		2	3
COURSE TYPE	Compulsory		
PREREQUISITE COURSES	No		
LANGUAGE OF TEACHING and EXAMINATION	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	No		
Website	https://eclass.hmu.gr/courses/NURS284/		

(2) LEARNING OUTCOMES

Learning outcomes
<p>The purpose of the course is to introduce the students to the physiological concepts and function of the human body, especially the function of the tissues and organs of the musculoskeletal, nervous, endocrine, covering system, as well as the blood, the defense (immune response) and the sensory organs.</p> <p>After completing the course the students will be able to:</p> <ul style="list-style-type: none"> ● name the different types of tissue such as epithelial, bone, cartilage, connective, muscle, nervous ● identify the presence of various tissues in the body's organs ● identify and match the different functions of the body with the anatomical parts of the brain and spinal cord ● understand and describe the function of sensory organs ● name the endocrine glands, understand the action of the endocrine system and the human body with the hormones they produce and the functions they each promote separately ● name the formal components of blood, know and interpret the basic laboratory parameters of a general blood test ● understand how blood groups are genetically transmitted and how blood group identification is done ● describe the mechanism of the immune response and distinguish whether it is innate or acquired and whether it is chemical or cellular immunity
General Skills
<p>The course aims to acquisition of the following general skills:</p> <ul style="list-style-type: none"> ● autonomous working skills ● provision of independent and critical thinking

(3) COURSE CONTENT

1st week	General principles of cell physiology
2nd week	Epithelial tissue, osseous tissue
3rd week	Cartilaginous, connective, fatty tissue
4th week	Muscle tissue (skeletal, smooth, myocardial)
5th week	Physiology of nervous tissue
6th week	Neurophysiology of the central nervous system
7th week	Physiology of sensory organs (skin, nose, tongue)
8th week	Physiology of sensory organs (eye - ear)
9th week	Blood (formed components and plasma)
10th week	Blood groups – compatibility
11th week	Immune function (innate, acquired, humoral and cellular)
12th week	Physiology of endocrine glands I
13th week	Physiology of endocrine glands II – Reproduction

(4) TEACHING and LEARNING METHODS - EVALUATION

TEACHING METHOD	Traditional lectures using PowerPoint software. Questions and answers for students.	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES	Use of the e-class electronic platform to store presentations in digital format for easy access by students. Communication with students on issues related to the educational process through the same platform. View video in digital format. Using powerpoint slides.	
TEACHING ORGANIZATION	Activity	Workload of semester
	Lectures	26
	Self ended study	30
	Preparation, examination	34
	Total	90
STUDENT EVALUATION	Language of assessment: Greek Method of assessment: 100% from a written final exam	

(5) RECOMMENDED BIBLIOGRAPHY (into Greek language)

<ul style="list-style-type: none">• Φυσιολογία, Έκδοση: 6η/2021. L. Costanzo. ISBN: 978-618-5296-16-2, Εκδότης: ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ• Φυσιολογία Berne and Levy. Έκδοση: 6η/2012. KOEPPEN, STANTON. ISBN: 978-960-394-894-0, Εκδότης: ΠΑΡΙΣΙΑΝΟΥ ΑΝΩΝΥΜΗ ΕΚΔΟΤΙΚΗ ΕΙΣΑΓΩΓΙΚΗ ΕΜΠΟΡΙΚΗ ΕΤΑΙΡΙΑ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΒΙΒΛΙΩΝ• Vander's Φυσιολογία του Ανθρώπου, Έκδοση: 2η έκδ./2016. Widmaier E, Raff H, Strang K. ISBN: 978-996-3274-03-1, Εκδότης: BROKEN HILL PUBLISHERS LTD
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