COURSE OUTLINE

"Pathophysiology II"

(1) GENERAL

SCHOOL	HEALTH OF SCIENCES		
ACADEMIC UNIT	FACULTY OF MEDICINE		
LEVEL OF STUDIES	UNDERGADUATE		
COURSE CODE	**IAY 601**	**SEMESTER**	**6th**
COURSE TITLE	PATHOPHYSIOLOGY II		

INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits*	**WEEKLY TEACHING HOURS**	**CREDITS**
LECTURES	5	6
TRAINING IN MEDICAL HISTORY TAKING	8h/student subgroup	
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	General background, skill development
PREREQUISITE COURSES:	None
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	https://ecourse.uoi.gr/course/view.php?id=287

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

The course serves as a fundamental subject for understanding disorders of human physiology and the mechanisms underlying them. It introduces students to the principles of disease genesis, the manifestation of symptoms, the identification of clinical findings, and the interpretation of pathological laboratory tests.

Additionally, the course aims to familiarize students with diseases classified by organ systems and to establish connections between physiological dysfunction and disease manifestations.

Upon successful completion of the course, the student will be able to:

- Comprehend the underlying mechanisms of diseases related to malignancies, disorders of the hematopoietic system, gastrointestinal system diseases, endocrine gland disorders, and infections.
- Extract and synthesize information about patients' primary problems, which contribute to initiating the diagnostic process and managing patient care.
- Systematically perform clinical examinations of individual systems in the human body.
- Recognize pathological clinical signs and correlate them with specific disease entities.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	*Project planning and management*
Adapting to new situations	*Respect for difference and multiculturalism*
Decision-making	*Respect for the natural environment*
	Showing social, professional and ethical responsibility and sensitivity to gender

Working independently	*issues*
Team work	*Criticism and self-criticism*
Working in an international environment	*Production of free, creative and inductive thinking*
Working in an interdisciplinary environment	*……*
Production of new research ideas	*Others…*
	…….

- Work independently
- Team work
- Production of free, creative and inductive thinking

(3) SYLLABUS

A. Pathophysiological mechanisms underlying:

I. Neoplasms
II. Disorders of the hematopoietic system
III. Diseases of the gastrointestinal system
IV. Disorders of the endocrine glands
V. Infections

B. Patient history-taking at the bedside

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY *Face-to-face, Distance learning, etc.*	Face to face (lectures and bedside teaching)
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*	Web assisted guidance using the e-COURSE platform **https://ecourse.uoi.gr/course/view.php?id=287**
TEACHING METHODS *The manner and methods of teaching are described in detail.* *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.* *The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS*	
STUDENT PERFORMANCE EVALUATION *Description of the evaluation procedure* *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other* *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.*	**I.** Written final examination, including: • Multiple-choice questions II. Presentation of a medical history III. Assessment of clinical skills in organ system-based clinical examination

Activity	***Semester workload***
Lectures	68
Medical history taking bedside teaching (is small groups)	48
Study hours	34
Course total	***150***

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:
- Related academic journals:

«Electrolyte and acid-base balance disorders» *(Textbooks via "EVDOXOS" system)*

Book Code in "EVDOXOS" system:	102069997
Edition:	1/2021
Authors:	George Liamis
ISBN:	9786185515102
Type:	Textbook
Provider (Publisher):	Kostakis Dim. Athanasios