



UNIVERSITY OF
PATRAS
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

DEPARTMENT OF PHARMACY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY OF PATRAS
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DEPARTMENT OF PHARMACY
UNDERGRADUATE STUDIES' COURSES



COURSE DESCRIPTION: **INTRODUCTION TO INTERNAL MEDICINE - EMERGENCY MEDICINE**
COURSE CODE: **PHA-D22-NEW**

**INTRODUCTION TO INTERNAL MEDICINE-EMERGENCY MEDICINE
COURSE DESCRIPTION**

1. GENERAL

SCHOOL	HEALTH SCIENCES		
SEPARTMENT	PHARMACY		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	PHA-D22-NEW	SEMESTER OF STUDIES	8th
COURSE TITLE	INTRODUCTION TO INTERNAL MEDICINE - EMERGENCY MEDICINE		
INDEPENDENT TEACHING ACTIVITIES	TEACHING HOURS PER WEEK	ECTS CREDITS	
Lectures	3	3	
COURSE TYPE	Scientific Field course		
PREREQUISITE COURSES:	-		
TEACHING AND ASSESSMENT LANGUAGE:	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Not offered		
COURSE WEBPAGE (URL)	http://www.pharmacy.upatras.gr/images/DS/PHA-D22-EN.pdf		

2. LEARNING OUTCOMES

Learning Outcomes
<p>The course is the main introductory lesson in the concepts of Internal Medicine and Emergency Medicine.</p> <p>The subject matter of the course aims at introducing the students to the basic concepts of Internal Medicine and Emergency Medicine topics. This includes the development by the teacher of the basic knowledge of anatomy and physiology of the organs and systems of the human organism. On the basis of their understanding, the pathophysiological mechanisms of the diseases are explained so as to distinguish between the concept of "physiological mechanism" and the "pathological disorder".</p> <p>The methodology of the course includes the classification of diseases and the approximation of each pathological condition at the level <definition-etiology-pathophysiology-clinical image-laboratory investigation-imagine approach-treatment-prognosis>.</p> <p>In addition to basic illnesses per system, the concepts of acute pathological disorder and emergency medical event are developed so that the student becomes familiar with their recognition and proposed treatment.</p> <p>Upon successful completion of the course the student will be able to:</p> <ul style="list-style-type: none"> • understand the basic principles of anatomy and physiology of human organs and systems • understand the basic principles of pathophysiology of the human organism and the recognition of the basic pathological entities by system • recognize acute pathological syndromes and urgent pathological disorders • be familiar with the use of <normal> and <pathological> terms as well as their approach methodology

- assess the existence of the Pathological Entity and its correlation with the social organization and structure
- organize critical thinking about the social approach of specific Pathological Entities. It also forms a coherent thought and opinion on Social-Ethical-Disease issues
- cooperate with his/her fellow students in recognition, diagnostic approach and therapeutic intervention of an acute pathological event
- transfer the knowledge received to his/her professional and social environment, as well as to co-ordinate at the level of organizing courses and managing Emergencies with students from other Universities

General Abilities

- Basic knowledge of approach to disease
- Understanding of pathogenesis of acute medical problems
- Autonomous Work
- Teamwork
- Decision making
- Work in an international environment
- Working in an interdisciplinary environment
- Respect for diversity and multiculturalism
- Promote free, creative and inductive thinking

3. COURSE CONTENT

- i. Basic concepts. Introduction to Anatomy and Physiology.
- ii. Introduction to the Pathological and Urgent Medical Problems.
- iii. Disease Approach Methodology. From the differential diagnosis to Therapeutic Intervention. Apply the terms <definition-diagnosis-clinical, laboratory, imaging-therapy> to the pathological entities. Analysis of particular pathological entities by systems - Central nervous system, respiratory system, heart and vessels, digestive disorders, oncological problems, hematological disorders, urogenital system, metabolic disorders, endocrinology problems.
- iv. Social approach to the disease.
- v. An Interactive Approach to the Urgent Clinical Problem.

4. TEACHING AND LEARNING METHODS - ASSESSMENT

Teaching method	Direct	
Use of information and communication technologies	Support Learning through the e-class platform	
Teaching organization	Teaching Method	Semester Workload
	Lectures	26
	Autonomous study	49
	Total number of hours for the Course (25 hours of work-load per ECTS credit)	75

STUDENT ASSESSMENT	<p>Written final examination with ranking difficulty on the basis of the issues and subjects presented during theoretical courses. The exams will include:</p> <ul style="list-style-type: none"> • Questions of theoretical knowledge. • Theoretical problems to be resolved. <p>Interactive presence of the student during the amphitheater lectures The final degree is the sum of the above two individual evaluations.</p>
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5. RECOMMENDED LITERATURE

Recommended Literature:

1. Harrison's Principles of Internal Medicine, 19th Edition Textbook, ISBN-13: 978-0071802154, McGraw Hill
2. Παθολογία με μια ματιά, Davey Patrick, ISBN: 978-960-583-030-4, ΠΑΡΙΣΙΑΝΟΥ ΑΝΩΝΥΜΗ ΕΚΔΟΤΙΚΗ
3. Davidson's γενικές αρχές και κλινική πράξη της ιατρικής παθολογίας, N. BOON, N. COLLEDGE, B. WALKER, J. HUNTER, ISBN: 9789605832131, ΠΑΡΙΣΙΑΝΟΥ ΑΝΩΝΥΜΗ ΕΚΔΟΤΙΚΗ