



SUBJECT OUTLINE

1. Programme of study description

1.1.	THE "CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY
1.2.	THE FACULTY OF MEDICINE / THE CLINICAL DEPARTMENT 5
1.3.	DISCIPLINE: Medical Emergencies and First Aid
1.4.	DOMAIN OF STUDY: Healthcare – regulated sector within the EU
1.5.	CYCLE OF STUDIES: BACHELOR'S DEGREE
1.6.	PROGRAMME OF STUDY: MEDICINE

2. Subject description

2.1.	Name of the subject/compulsory subject/elective subject within the discipline: Medical Emergencies and First Aid						
2.2.	Location of the discipline:						
2.3.	Course tenured coordinator:						
2.4.	Practicals/clinical rotations tenured coordinator:						
2.5. Year of study	VI	2.6. Semester	VII, VIII	2.7. Type of assessment	Written examination	2.8. Subject classification	Compulsory

3. Total estimated time (hours/semester of didactic activity) – teaching module

Number of hours per week	4	Out of which: course	2	Clinical rotation	2
Total number of hours from curriculum	40	Out of which: course	20	Clinical rotation	20
Distribution of allotted time	10 weeks				Hours
Study from textbooks, courses, bibliography, and student notes					
Additional library study, study on specialized online platforms and field study					
Preparing seminars / laboratories, assignments, reports, portfolios and essays					
Tutoring					
Examinations					
Other activities					
Total hours of individual study					
Number of credit points					3

4. Prerequisites (where applicable)

4.1. of curriculum	Fundamental knowledge about the pathology of the cardiovascular, respiratory, digestive system, diabetes, neurology, nephrology and hematology focused on major emergencies and how to treat them
4.2. of competencies	To identify the signs of severity of various pathologies and the most suitable diagnostic methods; BLS and ALS, practical simulation and real emergencies in the ER department



5. Requirements (where applicable)

5.1. for delivering the course	Face to face Digital course displayed by a central computer Clinical cases and discussions
5.2. for delivering the clinical rotation	ER activity, simulation

6. Acquired specific competencies

Professional competencies (expressed through knowledge and skills)	At the end of this course, students must recognize the most frequent or serious manifestations of the disease, diagnostic measures and emergency treatment
Transversal competencies (of role, of professional and personal development)	The purpose of practical activities: <ul style="list-style-type: none"> - to develop the students' ability to obtain medical information from patients and to analyze it in relation to the acquired theoretical knowledge. More specifically, the goal is to formulate a correct diagnosis of the medical emergency and find the first therapeutic measures - is for the students to get used to the ethics and deontology issues of the medical profession - to stimulate collaboration in order to solve various problems

7. Subject learning objectives (based on the scale of acquired specific competencies)

7.1. General learning objective	To acquire basic knowledge about the main medical emergencies
7.2. Specific learning objectives	To learn the most appropriate rapid diagnosis and therapeutic methods and interdisciplinary collaboration methods in order to solve medical cases

8. Content

8.1. Course	Teaching methods	Observations
Course 1	Medical Conditions Characterized by Acute Dyspnea	2 hours
Course 2	Medical Conditions Characterized by Acute Chest Pain	2 hours
Course 3	Hypertensive Emergencies	2 hours
Course 4	Arrhythmic Emergencies	2 hours
Course 5	Sudden Death, Cardiopulmonary Resuscitation and Syncope	2 hours
Course 6	Gastrointestinal Emergencies: Nonsurgical Causes of the Acute Abdomen, GI Bleeding, Jaundice Syndromes	2 hours
Course 7	Metabolic Emergencies	2 hours
Course 8	Acute Renal Failure	2 hours
Course 9	Neurological Emergencies	2 hours
Course 10	Various Emergencies: Hypothermia, Hyperthermia, Strangulation, Electrocution	2 hours



8.2. Clinical rotation	Teaching methods	Observations
CR 1	Daily practical activity in which students examine patients, learn how to perform BLS/ALS complex investigations related to ER evaluation of patients, their usefulness. Also students learn specific investigations and maneuvers; they acquire skills through medical simulation and interaction with real patients. Activities performed in the ER, ambulance, emergency wards on specific departments- cardio, pneumo, gastro, neuro and metabolic diseases	
CR 2		
...		

Bibliography for course and clinical rotation

Harrison's Principles of Internal Medicine 20/E (Vol 1&2), 19th Edition, McGraw Hill Education
Kumar and Clark 10th edition

9. Corroboration of the subject content with the expectations of the representatives of the epistemic community, professional associations, and major employers in the field of the programme of study

Good training for medical practice and acquiring knowledge for the Bachelor's Degree and residency entrance examination

10. Assessment

Type of activity	Assessment criteria	Assessment methods	Assessment weighting within the final grade
Course	Theoretical knowledge	Exam with 60 multiple-choice questions+4 short subjects	Examination score +/- 2 points depending on practical activity
Clinical rotation			
Minimum performance standard			

Date of filing

Signature of the course tenured coordinator

Signature of the seminar tenured coordinator

Date of approval in the Council of the Department:

Signature of the Head of the Department