

DISCIPLINE SHEET**ACADEMIC YEAR****2022-2023****1. PROGRAM DATA**

1.1 Higher education institution	UNIVERSITATEA DE MEDICINA SI FARMACIE DIN CRAIOVA
1.2 Faculty	MEDICINE
1.3 Department	7
1.4 Field of study	Health
1.5 Study cycle	LICENCE
1.6 Study program / Qualification	MEDICINE

2. DISCIPLINE DATA

2.1 The name of the discipline	FIRST AID		
2.2. Discipline code	MED1212		
2.3 Holder of course activities	1. Associate Professor Fortofoiu Maria, 2. Lecturer Geormaneanu Cristiana, 3. Lecturer Băncioiu Covei Mihai-Daniel		
2.4 Holder of seminar activities	1. Associate Professor Fortofoiu Maria, 2. Lecturer Geormaneanu Cristiana, 3. Lecturer Băncioiu Covei Mihai-Daniel		
2.5. Academic degree	1. Associate Professor 2. Lecturer 3. Lecturer		
2.6. Employment (base norm/associate)	Base norm		
2.7. Year of study	I	2.8. Semester	II
		2.9. Course type (content)	CSD
		2.10. Regime of discipline (compulsoriness)	

3. TOTAL ESTIMATED TIME (hours per semester of teaching activities)

3.1 Number of hours per week	2	3.2 From which: lecture	1	3.3 seminar/laboratory	1
3.4 Total hours in the curriculum	28	3.5 From which: lecture	14	3.6 seminar/laboratory	14
Distribution of time fund hours					
Study by textbook, course support, bibliography and notes					7
Additional documentation in library, specialized electronic platforms and field					5
Preparation of seminars/laboratories, themes, reports, portfolios and essays					5
Tutoriat					1
Examination					2
Other activities, consultations, student circles					2
3.7 Total hours individual study	22				
3.9 Total hours per semester	50				
3.10 Number of credits	2				

4. PREREQUISITES (where appropriate)

4.1 curriculum	Students must have a solid knowledge of anatomy and physiology
4.2 competency	

5. CONDITIONS (where appropriate)

5.1. of course deployment	Prior preparation by individual study
5.2. of seminary/ lab deployment	Prior preparation by individual study

6. SPECIFIC COMPETENCES ACCRUED

PROFESSIONAL COMPETENCES	C1. Identification of medical-surgical emergencies
	C2. Application of appropriate medical first aid maneuvers in medical and surgical emergencies
	C3. Identifying the risks of secular intervention and ensuring the safety of the rescuer
	C4. Addressing health / disease issues from the perspective of community particularities, in direct relation to the social, economic, cultural conditions of that community
	C5. Initiation and development of a scientific and / or training activity in its field of competence

TRANSVERSAL COMPETENCES	<p>CT1. Autonomy and responsibility acquiring moral landmarks, forming professional and civic attitudes that allow students to be fair, honest, non-conflicting, cooperative, understanding in the face of suffering, available to help people, to know, respect and contribute to the development of moral values and professional ethics learn to recognize a problem when it arises and provide responsible solutions to solve it</p> <p>CT2. Social interaction to recognize and respect diversity and multiculturalism, have or learn to develop teamwork skills, communicate orally and in writing the requirements, the way of working, the results obtained, to communicate with both team members to get involved in volunteering, to know the essential problems of the community</p> <p>CT3. Personal and professional development be open to lifelong learning, to be aware of the need for individual study as a basis for personal autonomy and professional development to capitalize optimally and creatively on their own potential in creative activities to know how to use information and communication technology</p>
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7. DISCIPLINE OBJECTIVES (based on the grid of specific competencies acquired)

7.1 General objective of the discipline	<p>At the end of the semester students must acquire skills, attitudes and knowledge of first aid that will allow them to:</p> <ul style="list-style-type: none"> - to identify the savior's risks - to know the chain of survival - perform the primary and secondary evaluation of the patient correctly - to quickly recognize medical-surgical emergencies - to provide effective first aid - to call in time a medical crew specialized in emergency medicine
7.2 Specific objectives	<p>At the end of the semester students will be able to:</p> <ul style="list-style-type: none"> - define and identify cardio-respiratory arrest in adults and children - name and define conditions that can induce cardio-respiratory arrest - describes the stages of basic and advanced cardio-respiratory and cerebral resuscitation in adults and children - evaluate the patient critically and uncritically - to decide and initiate prompt and appropriate first aid in the event of medical-surgical emergencies - to know the attributions and competencies of each member of the first aid team - to acquire teamwork skills

8. CONTENT

8.1 Lecture (unit of content)	Hours
1. Risks of laic intervention. Universal precautions. Teamwork.	1
2. Obstruction of the airway. Air route release	1
3. Primary and secondary assessment of the patient	1
4. Cardiorespiratory arrest. The concept of chance of survival	1
5. Basic adult life support	1
6. Basic vital support in the child	1
7. External automatic defibrillation	1
8. The chance of survival of the polytraumatized patient. Rules and limits of laic intervention in trauma. Definitions.	1
9. Trauma of the spine. Immobilization of the spine	1
10. Exuflation	0,5
11. Trauma to the limbs. Means of limb immobilization in traumatized patients.	1,5
12. Reduction and immobilization of scapulohumeral sprain. Provisional immobilisation of humerus fracture	
13. Provisional immobilisation of femur fracture and calf fracture	
14. Mobilisation and transport of the patient. Positions and ways of transport.	
15. First aid in the case of wounds	0,5
16. Management principles in multiple-victim accidents. Triage.	1
17. Hypothermia and hyperthermia.	0,5
18. Environmental emergencies	0,5
19. Electrocution. Hanging Submersion	0,5
8.2 Practical work (subjects/themes)	Hours
1. Introduction to the technique of first aid. The risks of the rescuers. Universal precautions.	0,5
2. Primary and secondary assessment of the adult and child. Alterations in consciousness. Safety position.	0,5

3. Obstruction of the airway. Causes and types of airway obstruction. Signs of incomplete airway obstruction. Signs of complete airway obstruction. Basic maneuvers and techniques in the opening of the airway (triple Saffar maneuver, Esmarck maneuver). The modified Heimlich and Heimlich maneuver. Aerial path obstructed to the infant- peculiarities	1
4. Respiratory stop. Chain of survival in adults and children. Primary support of vital functions in adults and children with one or more rescuers. BLS sequence (primary assessment, alerting, airway assistance, ventilation assistance, assistance of circulation, reassessment, interruption of basic vital support). Early external automatic defibrillation.	2
5. Traumatized patient – generalities, precautions and limits of laic intervention. The chain of survival in trauma. Cervical spine protection. Mobilization of the traumatized patient (Rauteck maneuver, patient return).	1
6. First aid for the patient with chest trauma. The 6 rapidly fatal lesions in the thoracic trauma (identification – emergency first aid). Potentially fatal injuries in chest trauma (identification). Non-lethal injuries in chest trauma (identification).	2
7. First aid for the hemorrhagic patient. Rapid hemodynamic evaluation. Provisional hemostasis.	1
8. Traumas of the extremities. Luxations and sprains - identification. Signs of probability and certainty of fractures. The reasons for the immobilisations of the limbs. The principles of limb immobilisation. Immobilization of the fracture of the forearm, arm, calf, thigh. Immobilization of sprain and sprain of ankle, elbow, knee..	2
9. Mass accidents – definition, classification. Principles of triage of traumatized people at the scene of the accident. Principles of evacuation and transport of the traumatized patient.	2
10. First aid in special situations – drowning, hanging, electrocution, hypothermia, hyperthermia, intoxication	2

Bibliography

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9. CORROBORATION OF DISCIPLINE CONTENTS WITH THE REPRESENTATIVES OF THE EPISTEMIC COMMUNITY, PROFESSIONAL ASSOCIATIONS AND REPRESENTATIVE EMPLOYERS IN THE PROGRAMME

- Romanian Council of Resuscitation
- Romanian College of Physicians
- Ministry of Health
- Ministry of Education
- Public Health Directory
- European Resuscitation Council
- National Institute of Public Health
- European Society of Emergency Medicine
- International Liaison Committee on Resuscitation
- Ministry of Internal Affairs – Emergency Situations Department
- American College of Emergency Physicians.

10. METHODOLOGICAL REPRESENTATION

Forms of activity	Teaching / learning techniques, materials, resources: interactive course, presentation, group work, etc.
Course	The following combined methods are used: debate, lecture, problematization. During the pandemic, the courses will be held online.
Practical works	The following combined methods are used: case studies, practical applications on manikin and simulator, demonstration, individual and team work, etc. During the pandemic, the theoretical part of the maneuvers will be presented online, and the practical part of performing the maneuvers will take place with the physical presence of the students, in the Simulation Center of UMF Craiova.
Individual study	Before each course and each practice

11. RECOVERY PROGRAM

	Nr. recoverable absences	Place	Period	Responsible	Themes scheduling
Absence recovery	3	CPU - Filantropia Hospital, Craiova UPU - Craiova County Emergency Clinical Hospital During the pandemic: UMF Craiova Simulation Center	Friday 8:00 – 10:00	The titular teacher of the practical activities	In accordance with the theme of the practical works and the students' program
Consultation program / student scientific circle	-	CPU - Filantropia Hospital, Craiova UPU - Craiova County Emergency Clinical Hospital During the pandemic: UMF Craiova Simulation Center	Monday-Thursday 8:00 – 10:00	All teachers	Depending on the topics proposed in the discipline and in relation to the students' requests
Program for poorly prepared students	-	CPU - Filantropia Hospital, Craiova UPU - Craiova County Emergency Clinical Hospital During the pandemic: UMF Craiova Simulation Center	Monday-Thursday 8:00 – 10:00	All teachers	In relation to the difficulty of the homework, depending on the level of preparation and the ability of students to understand

12. EVALUATION

Type of activity	Type of assessment	Methods of assessment	Percentage of final grade
Course	Formative evaluation through essays, projects and survey during the semester Summative during the exam	Grid type exam / grid system with the help of the computer platform in the online version.	60%
Practical work	Formative evaluation through grid and / or descriptive control works, projects, survey during the semester. Periodic evaluation during the semester, Summative during the exam.	Grid exam simultaneously with the course / with the help of the video platform in the online version.	20%
Periodic checks			10%
Evaluation of individual activity			10%
Minimum performance standard	Minimum 50% for each component of the assessment		

13. PROFESSIONAL ORIENTATION AND CONSIDERATION PROGRAMMES

Vocational guidance and counselling programmes (2 hours/month)

Schedule hours	Venue	Responsible
Last Friday of every month	CPU Municipal Clinical Hospital Philanthropy, Craiova	Associate Professor Maria Forțofoiu

Endorsment date in the department: 30.09.2022

**Department Director,
Prof. Luminița CHIUȚU**

**Coordinator of study program,
Prof. Marius Eugen CIUREA**

**Discipline holder,
Assoc. Prof. Maria FORȚOFOIU**