

CARDIOPULMONARY RESUSCITATION AND OTHER EMERGENCIES IN MEDICINE	
GENERAL INFORMATION	
Course coordinator	Professor Slavica Kvolik, MD, PhD
Assistant/Associate	Professor Davor Jančuljak, MD, PhD Assoc. Prof. Robert Steiner, MD, PhD Assoc. Prof. Zlatko Topolovec, MD, PhD Assoc. Prof. Ivan Lovrić, MD, PhD Assoc. Prof. Silvija Pušeljić, MD, PhD Assoc. Prof. Ivan Radoš, MD, PhD Asst. Prof. Suzana Mimica, MD, PhD Asst. Prof. Ozana Katarina Tot, MD, PhD Asst. Prof. Ivana Haršanji Drenjančević, MD, PhD Nenad Nešković, MD, PhD Sonja Škiljić, MD Višnja Ikić, MD Dino Budrovac, MD Zrinka Požgain, MD
Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Elective
Year of study, semester	5 th year, 9 th semester
ECTS	2
Workload (hours)	Lectures (4); Seminars (12); Exercises (9)
Expected number of students	30
COURSE DESCRIPTION	
Course objectives	
To determine the skills of advanced methods of cardiopulmonary resuscitation in special circumstances such as hypovolemic shock, polytrauma, anaphylactic shock, sepsis and septic shock. Identify emergencies in gynecology, neurology, traumatology, and pediatrics and start measures to support the endangered organism. Introduce students to respiratory and venous maintenance equipment - laryngeal mask, nose and mouth mask, oropharyngeal airway. Each student will lead resuscitation in cardiopulmonary arrest as a resuscitation team leader.	
Enrolment requirements and entry competencies	
Passed all exams of previous years of study	
Learning outcomes at the Programme level	
1.1.; 1.2.; 2.1.; 3.1.; 3.4.; 4.1.; 4.2.	
Learning outcomes (5-10)	
<ol style="list-style-type: none"> 1. After completing the course, the student will learn to lead cardiopulmonary resuscitation as a leader of the resuscitation team. 2. Student will coordinate the work of other members of the resuscitation team. 3. He will handle equipment for resuscitation, establishment of the venous route and suturing of wounds. 4. Student will immobilize the injured patient independently. 	

5. Student will bandage open wounds.
6. Student will distinguish emergencies in neurology, gynecology, pediatrics and cardiology.
7. Student will determine the priority of treatment and initial care in emergencies.

Course content

Lectures

Shock - cardiogenic, hypovolemic, hemorrhagic, septic and anaphylactic. Polytrauma.

Seminar

Emergencies in gynecology, neurology and pediatrics. Poisoning and overdose. Analgesia in the polytraumatized patient.

Exercises

Basic and advanced life support, equipment and coordination of procedures. Leadership in the emergency setting. Wound suturing. Immobilization. Emergency procedures in case of poisoning and overdose. Emergency procedures in polytraumatized patients. Fractures and sprains.

Mode of teaching

Lectures; Seminars, Clinical exercises

Student obligations

Attendance at all forms of lectures, seminars and exercises is mandatory, and the student must access all knowledge tests. A student may justifiably miss 30% of each form of lectures. Missed exercise must be colloquial.

Monitoring student work (*alignment of learning outcomes, teaching methods and grading*)

Evaluation of the final exam:

Percentage of accurate answers provided (%)	Grade points
60,00-69,99	30
70,00-79,99	35
80,00-89,99	40
90,00-94,99	45
95,00-100,00	50

Calculation of final grade:

Teaching activity	ECTS	Learning outcome	Student activity	Assessment methods	Grade points	
					Min.	Max.
Class attendance	0.5	1-5	Attending classes	Evidences	5	10
Seminar	0.5	1-5	Preparation of seminars	Presentation within the group	5	10
Exercises	0.5	1-5	Attendance and active participation in exercises	Exercise diary	20	30
Final exam	0.5	1-5	Learning for the written exam	Written exam	30	50
Total	2				60	100

Grades obtained during the oral exam are added to the points earned during the course. The evaluation is performed by absolute distribution, ie on the basis of the final achievement and is compared with the numerical system as follows:

0-59.99 rating points - DID NOT PASS; 60-100 evaluation points – PASSED

Required reading (available in the library and through other media)

Title	Number of copies in the library	Availability through other media
1. Guidelines for the resuscitation of the European Society for Resuscitation 2021. https://cprguidelines.eu/assets/guidelines/European-Resuscitation-Council-Guidelines-2021-Ba.pdf https://cprguidelines.eu/assets/guidelines/European-Resuscitation-Council-Guidelines-2021-Ad.pdf	1	Online free available

Additional reading

<https://cprguidelines.eu/assets/guidelines/European-Resuscitation-Council-Guidelines-2021-Ex.pdf>

Course evaluation procedures

Anonymous, quantitative, standardized student survey on the subject and work of teachers conducted by the Office for Quality of the Medical Faculty Osijek.

Note /Other

E-learning is not included in the total course hours, but it is used in teaching and contains links to various pages, video and audio materials available on the website.