

FIRST AID	
GENERAL INFORMATION	
Course coordinator	Professor Slavica Kvolik, MD, PhD
Assistant/Associate	Assoc. Prof. Ivan Radoš, MD, PhD Asst. Prof. Ozana Katarina Tot, MD, PhD Nenad Nešković, MD, PhD Dino Budrovac, MD Sonja Škiljić, MD Višnja Ikić, MD Ana Cicvarić, MD Hrvoje Vinković, MD Ivan Omrčen, MD
Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Mandatory
Year of study, semester	1 st year, 1 st semester
ECTS	1
Workload (hours)	Lectures (6); Exercises (9)
Expected number of students	70
COURSE DESCRIPTION	
Course objectives	
To enable students to understand the changes that occur after cardiac arrest. Recognize respiratory failure, state of consciousness and specific methods of their initial care. Introduce students to the method of performance, indications, expected effects, and contraindications for initiating external cardiac massage and artificial respiration by mouth-to-mouth, mouth on a mask, or the use of AMBU-balloons in resuscitation with one and two lifeguards. Perform independently a chain of survival and call for help. Learn the initial care of burns, open wounds, fractures, and in poisoned persons. Triage of the injured according to the degree of urgency.	
Enrolment requirements and entry competencies	
Enrolled in the 1st year of the Faculty of Medicine.	
Learning outcomes at the Programme level	
1.1.; 1.2.; 2.1.; 3.1.; 3.4.; 4.1.; 4.2.	
Learning outcomes (5-10)	
After completing the course, the student will be able to	
<ol style="list-style-type: none"> 1. Perform independently basic life support as a team leader according to the algorithm 2. Classify victims according to urgency (triage) and determine their position in transport 3. Apply the wound covers to the different types of open wounds 4. Take care of the injury using bandages, dressings, splints, and other handy material 5. Provide first aid to victims of hypothermia, after insect bites, animal bites, and after accidents such as poisoning 	
Course content	
Lectures	
Cardiopulmonary resuscitation - recognition and initial procedures in disorders of consciousness; initial life support in cardiac and respiratory arrest. Accidental conditions: recognition and initial procedures in the following accidents: drowning, hyperthermia, hypothermia, electric shock,	

lightning strike, hanging, poisoning, war poisons, bites, and stings of poisonous animals. Triage, first aid for the injured with open wounds and external bleeding; immobilization. Positions of the injured in transport.

Exercises

Basic life support: Call for help, recognition of unconsciousness, procedure in unconsciousness persons. Rapid assessment of respiratory quality, assessment of airway obstruction, maintenance of head position, maintenance of open airway, first aid for foreign body in the airway. Cardiac arrest, AED defibrillation. Initiation of external cardiac massage, initiation of artificial respiration, determination of the rhythm of artificial respiration and external cardiac massage in the ratio of 30: 2. Primary care of open and closed wounds; application of various types of bandages, materials from which bandages are made; placement of various types of bandages, elastic bandage, impregnated coverings, gauzes and absorbent dressings, and protecting the open wound. Procedure related to the foreign body in the wound, sterile wound dressing, finger bandage, wrist bandage, limb bandage, abdominal bandage, wound tamponade, compression bandage, Esmarch bandage and head bandage. Immobilization using splints, preparation of patients for transport, positions of patients in transport.

Mode of teaching

Lectures; Exercises

Student obligations

Attendance at all forms of lectures, and exercises is mandatory, and the student must access all knowledge tests. A student may justifiably miss 30% of lectures. Each student must independently, complete the entire sequence of resuscitation as the leader of the resuscitation team on a mannequin at the end of the exercise. Each student must independently perform exercises to place bandages, splints and immobilize the injured patient. Students will be required to do missed exercises.

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

Teaching activity	ECTS	Learning outcome	Student activity	Assessment methods	Grade points	
					Min.	Max.
Class attendance	0.2	1-5	Attending classes	Evidences	10	20
Exercises	0.3	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	1				60	100

Evaluation of the final examination:

Percentage of correct answers (%)	Grade points
60,00-64,99	30
65,00-69,00	33
70,00-74,99	36
75,00-79,99	39
80,00-84,99	42
85,00-89,99	45
90,00-94,99	48
95,00-100,00	50

Calculation of final grade:

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
Slavica Kvolik et al. FIRST AID, 2nd amended edition, 2017 Year, textbook for 1st year students of the Faculty of Medicine and the Faculty of Dental Medicine and Health in Osijek.	-	Online available 70

Additional reading

European resuscitation Council guidelines for resuscitation 2021.

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.