

Course	EMERGENCY MEDICINE WITH ANAESTHESIOLOGY AND REANIMATION
Study program	Three years of professional studies for graduate radiological technologist
Code	CPT-316
Study year	Third
Semester	Fifth
Total hours	60
Credits	3.5
Type of course	Obligatory
Preconditions	fulfilled a requirement for enrollment in third year
Performed	KARIL, Department of internal medicine, Department of pediatrics, Department of surgery, Department of gynecology
Professor in charge	Prof. D-r Nanceva Jasminka, Prof. D-r Daniela Caparoska, Prof. D-r Sofijanka Glamocanin, Prof. D-r Aleksandar Karagjozov, Prof. D-r Vesna Antevska
Address	KARIL "Vodnjanska" br.17 1000 Skopje. Phone +389 2 31 47 039; 389 2 31 47325
Key words	Professional studies for radiological technologist, basic courses, emergency medicine, anesthesiology, reanimation
Goals	<p>Students to learn the basics of recognizing emergency cases in medicine</p> <p>Students to become familiar with the basic anesthetic procedures in children and adults</p> <p>Students to learn the principles of care in emergency situations and to improve skills of necessary therapeutic procedures within their professional competence</p> <p>Students to learn to apply algorithms for resuscitation issued by the AHA (American Heart Association) and ERK (European resuscitation Council)</p> <p>Students to learn to apply algorithms for resuscitation of children</p>
Summary	<p>Theory</p> <p>Emergency medicine (20 hours)</p> <p>Students are presenting an overview of the theoretical basis of emergency medicine:</p> <ul style="list-style-type: none"> -general medicine (anaphylaxis, collapse) -intensive medicine (Cardiology, endocrinology, pulmonology, GIT, toxicology) -emergency situations in pediatrics -emergency situations in surgery -emergency situations in gynecology <p>Anesthesiology and reanimation (10 hours)</p> <ul style="list-style-type: none"> -Principles of anesthesiology (control, techniques, medications, infusion therapy, special anesthetic complications) - oxygen therapy and artificial respiration machines -fundamentals of assessment and treatment of pain -concepts of advanced life support in adults and children -resuscitation in newborn and infant

	<p>-algorithms for resuscitation issued by the AHA (American Heart Association) and ERK (European resuscitation Council)</p> <p>Practice (30 hours) Practice is mandatory and performed in different departments in intensive care unit and KARIL under the guidance of a mentor-teacher and nurse in charge of that department. The student is obliged to engage in all activities during full-time, and make notes of the activities</p>										
Organisation	<p>Theory: 30 hours Practice: full-time work activities (30 hours)</p>										
Methods of studying	interactive lectures, practice										
Results of studying	<p>Knowledge and understanding: The student will acquire knowledge and understanding of the basics of emergency cases in medicine and will learn the basic principles of health care. The student will learn the basics of anaesthesiology, treatment of pain and advanced methods of resuscitation</p> <p>Key skills The student will be able to apply the acquired theoretical knowledge in practice-will use modern equipment for observation of vital functions and will learn the skills of preparation of materials and medication for anesthesia, and pain therapy</p>										
Specific recommendations for teaching	<p>The student is responsible to attend all the activities including participation in ongoing knowledge checks to get a signature</p> <p>scoring of student activities:</p> <table border="1"> <thead> <tr> <th>Type of activity</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>Theory</td> <td>7.5-15</td> </tr> <tr> <td>Practical classes</td> <td>7.5-15</td> </tr> <tr> <td>Continues checks-2</td> <td>45-70</td> </tr> <tr> <td>Total</td> <td>60-100</td> </tr> </tbody> </table> <p>*Presence at theory classes 51%-60%-7.5 points 61%-70%- 8.5 points 71%-80%- 10 points 81%-90%- 12 points 91%-100 – 15 points</p> <p>**practice: each practice class brings 0.5 points (30 practice classes) Attendance- 0.25 points Activity at practice – 0.25 points</p>	Type of activity	Points	Theory	7.5-15	Practical classes	7.5-15	Continues checks-2	45-70	Total	60-100
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Checking knowledge	<p>Continued examination (colloquium) The student is required to attend theoretical and practical classes to be able to approach continuous checkout. Exam is written (multiple-choice questionnaire). The student must attend colloquium, otherwise does not</p>										

	<p>have right of signature at the end of the semester The student is obliged to score minimum points (60%) of both continuous checks when it acquires the right to form the final score. If a student pass one of two colloquium has right to take final exam. If a student does not pass the two colloquiums has no right to take the final exam.</p> <p>Final exam: There isn't any. If a student has passed two colloquiums, one grade is formed.</p> <p>Complete final exam: Students takes complete final exam he doesn't have minimum score (60%) at one of the two colloquiums. The exam is a colloquium that is not passed. If a student does not pass the this exam has no right for a forming a grade.</p> <p>Establishing a grade Assessment of the overall exam is obtained according to the table of grades, based on the sum of points from all activities, including ongoing checks.</p> <p>PART TIME STUDIES Performed 40% of the predicted theoretical and practical classes. The exam is performed in EXAM SESSIONS and consists of -multiple-choices Grade of the overall exam is obtained according to the table estimates, based on the sum of points obtained in all activities</p>
Literature	Basics: Authorized lectures of Departments