

OBSAH

1. Anaesthesiology and Intensive Care.....	3
2. Anatomy.....	5
3. Basic of Management and Economics in Health Care, Organization of Health.....	7
4. Biochemistry.....	9
5. Biophysics, Radiology and Radiation Protection.....	11
6. Cartography and Topography.....	13
7. Clinical Practice 1.....	15
8. Clinical Practice 2.....	17
9. Clinical Practice 3.....	19
10. Clinical Practice 4.....	21
11. Clinical Propedeutics.....	23
12. Communication and Professional Ethics.....	25
13. Continuous Professional Practice 1.....	27
14. Continuous Professional Practice 2.....	29
15. Continuous Professional Practice 5.....	31
16. Continuous Professional Practice 6.....	33
17. Continuous Professional Practice 3.....	35
18. Continuous Professional Practice 4.....	37
19. Crisis Management.....	39
20. Defense of Final Thesis.....	41
21. Disaster Medicine.....	42
22. Emergency Medicine.....	44
23. Emergency Medicine 1.....	45
24. Emergency Medicine 2.....	47
25. English Language 1.....	49
26. English Language 2.....	51
27. English Language 3.....	53
28. English Language 4.....	55
29. Epidemiology.....	57
30. Exercises in Spirituality - Spirituality of Good.....	58
31. Exercises in Spirituality - Spirituality of Truth.....	60
32. First Aid.....	62
33. Fitness Training 1.....	64
34. German Language 1.....	66
35. German Language 2.....	68
36. German Language 3.....	70
37. German Language 4.....	72
38. Gynaecology and Obstetrics.....	74
39. Internal Medicine.....	76
40. Latin Language.....	78
41. Law and Legislation.....	80
42. Neurology.....	82
43. Nursing Techniques 1.....	84
44. Nursing Techniques 2.....	86
45. Paediatrics.....	90
46. Paramedic Care.....	92
47. Paramedic Care 1.....	93
48. Paramedic Care 2.....	95

49. Paramedic Care 3.....	97
50. Paramedic Care 4.....	99
51. Paramedic Care 5.....	101
52. Pathology and Pathological Physiology.....	103
53. Pedagogy, Psychology and Sociology 1.....	105
54. Pharmacology.....	107
55. Physiology.....	110
56. Professional Training.....	112
57. Psychiatry.....	113
58. Research in Health Care.....	115
59. Seminar to Final Thesis.....	117
60. Surgery and Traumatology.....	120
61. The Basic Theme of the Bible.....	122
62. The Basic Theme of the Theology.....	124
63. Toxicology and Diagnostic Methods.....	126

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2023W/22	Course title: Anaesthesiology and Intensive Care
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 3 / 2 hours per semester: 36 / 24 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During semester: active participatin on lectures and practices. Final evaluation: Examination Subject evaluation scale: A – 100 % - 93 % B – 92 % - 85 % C – 84 % - 77 % D – 76 % - 69 % E – 68 % - 60 % FX – 59 % - 0 %	
Learning outcomes of the course: Examinaiton objectives: Subject goal: Aquiring new knowledge from the field of anesthesiology and its application in clinical praxis. Aquiring skills in resuscitation and prevention of vitla orgna failure. Theoretical knowledge: pharmacology and physiology of anesthesia, Practical skills: techniques of anesthesia, procedures in anesthesia and intensive care	
Course contents: Syllabus 1. anesthesias and intensive care - definitions, history 2. pharmacology of drugs used in anesthesia and intensive care 3. local and general anesthesia 4. activities of paramedics befor, during and after anesthesia 5. principles of management of critically ill patients, diatnositic and invasive procedures 6. diseases of respiratory system, mechanical ventilation 7. diseases of circulation 8. sepsis, septic shock, multiorgan failure 9. diseases of liver and kidneys 10. anesthesia and intensive care in children 11. trauma 12. neurointensive care, nutirtion	

Recommended or required literature:

Literature:

DOBIÁŠ, V. a kol.: Prednemocničná urgentná medicína. Martin : Osveta, 2012

ADAMUS, M., Základy anesteziologie, intenzivní medicíny a léčby bolesti. Olomouc, Univerzita Palackého v Olomouci 2010

ŠEBLOVÁ, KNOR, Urgentní medicína v klinické praxi lékaře. Praha, Grada 2013

Language of instruction:

English

Notes:

Subject is included in the summer semester only and the final evaluation takes place in the summer semester examination period.

Course evaluation:

Assessed students in total: 115

A	B	C	D	E	FX
49.57	25.22	19.13	3.48	2.61	0.0

Name of lecturer(s): doc. MUDr. Milan Minarik, PhD.**Last modification:** 13.08.2025**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2001W/22	Course title: Anatomy
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 3 / 2 hours per semester: 36 / 24 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During the semester: active participation in presentations. After completing the presentations, a written examination. To participate in the exam, it is necessary to obtain 6 points from a 10-point test. The final evaluation is in the form of a written test, which contains 20 questions. It is necessary to write a test for 60%.	
Learning outcomes of the course: Objective of the course - aims of the course unit: Orientation in the subject of anatomy. Acquisition of anatomical nomenclature and basic anatomical concepts, anatomical planes and directions. The aim of the course is applied (clinical) anatomy and topographic anatomy. Theoretical knowledge: Acquisition of detailed knowledge about the anatomical structure of individual organs and organ systems. To be able to describe in Latin the macroscopic view of individual organs as well as their anatomical structure and the anatomical structure of the wall of individual organs. By understanding the anatomical structure and structure, to understand the physiological functions of individual systems. Based on anatomical description, the ability to identify and characterize individual organs and individual systems of the human body.	
Course contents: Anatomy of the axial skeleton, skeleton of the limbs. Myology, muscles of the head, torso and limbs. Anatomy and structure of the digestive system. Anatomy and structure of the respiratory system. Heart structure, anatomy and branching of blood vessels. Lymphatic system. Anatomy and structure of the urinary system. Anatomy of male and female genitals. Blood. Endocrine system. Nervous system. Sensory organs	

Recommended or required literature:

ČIHÁK, R. Anatomia I. Praha, Grada. 2001.

ČIHÁK, R. a kol. Anatomie II. Praha, Grada 2002.

ČIHÁK, R. Anatomie III. Praha, Grada 2004.

KOPECKÝ, Š.: Základy anatómie človeka. FZ aSP TU, Trnava, 2007

Kol. autorov: Anatómia ľudského tela I. a II. Martin, Osveta 2007

Language of instruction:

Slovak language

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 138

A	B	C	D	E	FX
20.29	15.94	11.59	13.04	30.43	8.7

Name of lecturer(s): doc. MUDr. Marián Šanta, CSc., MUDr. Viliam Kubas, PhD.

Last modification: 13.08.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2052W/22	Course title: Basic of Management and Economics in Health Care, Organization of Health
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During semester: There will be at least one written test during semester, the maximum of 20 points can students achieve. Final evaluation: There will be oral or written test, students can reach 80 points. The overall points that student can obtained is 100. Course evaluation: A – 100 %-93 % B – 92 %-85 % C – 84 %-77 % D – 76 %-69 % E – 68 %-60 % FX – 59 %- 0 %	
Learning outcomes of the course: The aim of the course: Through the synthesis of acquired knowledge and skills to create a comprehensive and conceptual view of management and economic activities in health care, to be able to act preventively and think about effective economic thinking and action in the health team, department and the entire facility from the perspective of health care. Theoretical knowledge: Students are able to act preventively and think in matters of economic thinking and leadership of the medical team at the level of the outpatient clinic, department and the whole facility from the perspective of health care economics, know the issues and use of marketing and informatics in health care economics. Practical knowledge: Students are able to use knowledge of general economic laws in the practical activities of the health care provider, ensure economic efficiency while maintaining the quality of health care.	
Course contents: The structure of the course:	

1. Basics of management, definition, procedures, characteristics. Economic efficiency. Personal management. Marketing in healthcare
2. History of health care.
3. Healthcare - organization and health systems.
4. Healthcare and health services in the social market economy.
5. Forms and structure of medical facilities. Medical professions and their characteristics
6. Health care systems in individual EU countries and in some countries around the world.
7. Organization and methods of providing health services.
8. Financing of health care and methods of financing according to the type of care. Contributory and budgetary organizations.
9. Health insurance, types and basic characteristics
10. International cooperation in health care. WHO.

Recommended or required literature:

Bibliography:

1. JAKUŠOVÁ, V.: Základy zdravotníckeho manažmentu, Osveta Martin, 2010, ISBN 9788080633479
2. ŠAGÁT, T. et al.: Organizácia zdravotníctva, Osveta Martin, 2010, ISBN 8080631433, 2005
3. Ozorovský V.,Vojteková I.: Zdravotnícky manažment a financovanie, 2016 Wolters Kluwer
4. Jakušová V.: manažment pre nelekárske študijné programy, Osveta 2016
5. Ondruš P., Ondrušová I.: Manažment a financovanie v zdravotníctve, Vydavateľstvo Matica slovenská 2017
6. DOMENIK, J.: Základy manažmentu a ekonomiky v zdravotníctve, Learning material, Faculty of Health Care, CU, Ružomberok, 2019
7. Zákony, Nariadenia vlády, Odborné usmernenia MZ SR

Language of instruction:

Slovak language

Notes:

This course is taught during the winter semester and is evaluated during the exam period of the winter semester.

Course evaluation:

Assessed students in total: 114

A	B	C	D	E	FX
42.98	30.7	12.28	8.77	5.26	0.0

Name of lecturer(s): doc. MUDr. Jozef Domenik, PhD., MPH

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2003W/22	Course title: Biochemistry
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 1 hours per semester: 12 / 12 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During the semester: During the semester, active participation in the lecture, in which students analyze the assigned topics. Final evaluation: At the final written exam the student can get max. 50 points.	
Learning outcomes of the course: Acquire basic knowledge about biochemistry, the biochemical nature of the disease. Theoretical knowledge: To teach students to perceive the human organism as a whole, whose biochemical reactions taking place at different levels are closely related to each other. The student will gain a comprehensive knowledge of biochemical processes in the human body. The Emergency health care student will understand the importance of the pre-analytical phase, the types of sampling tubes, the principles of proper collection of the most frequently examined biols. materials, possible sources of error. They will get acquainted with the methods of evaluation of laboratory results, reference values.	
Course contents: Characteristics of the department. Biological and toxicological properties of elements and their compounds, their use in medical practice. Structure and function of biological membranes, transport of substances. Hydrocarbons and their derivatives. Characteristics and metabolism of carbohydrates. Characteristics and metabolism of lipids. The role of cholesterol in human metabolism. Biological oxidations, energy production, endergonic and exergonic reactions. Structure and function of proteins. Significance and function of nucleic acids. Division and function of hormones. Structure and function of hemoglobin, bilirubin, porphyrins. Distribution and function of vitamins. Enzymology. Clinical significance of laboratory examination of tumor markers. Pre-analytical phase, types of sampling tubes, principles of correct sampling of the most frequently examined biol. materials, possible sources of error. Methods of laboratory result evaluation, reference values. Modern diagnostic and analytical methods in clinical biochemistry, use of computer technology in clinical biochemistry, certification, accreditation.	

Recommended or required literature:

1. DOBROTA, D. a kol. Lekárska biochémia. Martin: Osveta, 2012.
2. LEDVINA, M. – STOKLASOVÁ, A. – CERMAN, J. Biochemie pro studující medicíny. 1. Praha: Karolinum, 2009.
3. LEDVINA, M. – STOKLASOVÁ, A. – CERMAN, J. Biochemie pro studující medicíny. 2. Praha: Karolinum, 2009.
4. ŠAJTER, V. a kol. Biofyzika, biochémia a radiológia. Martin, Osveta, 2006.

Language of instruction:

Slovak

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 133

A	B	C	D	E	FX
47.37	36.84	9.77	5.26	0.75	0.0

Name of lecturer(s): doc. MUDr. Ivan Solovič, CSc., RNDr. Andrea Tvarožná**Last modification:** 03.02.2022**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2002W/22	Course title: Biophysics, Radiology and Radiation Protection
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture Recommended study range: hours weekly: 3 hours per semester: 36 Teaching method: on-site	
Credits: 3	Working load: 75 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During semester: active participation in the lectures. Final assesment: written examination. Course evaluation: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%-0%	
Learning outcomes of the course: The objective of the course: To know basic physical procesess within organism. To understand the physical nature of tranport and transformation of energy within organism, cellular processes, sight, hearing and other senses, respiration and blood circulation, locomotor apparatus. To know the importance of enviromental biophysics, interaction of external enviroment and processes within living organism. To know properties and effects of ionizing radiation on human. To know the methods of radiation protection and basics of dosimetry. Theoretical knowledge: The student know the corresponding chapters of physics, which are necessary to understand the processes in human organism from physical point of view: thermodynamics, cell biophysics, diffusion and osmosis, properties of fluids and gases, basics of optics and acoustics, electromagnetism, enviromental biophysics, radioactivity, radiation effects on human and radiation protection.	
Course contents: 1. The basics of thermodynamics. The basic physical processes within organism, cell biophysics, action potential. 2. Biophysics of respiration and cardiovascular system. 3. Biohysics of senses: sight, hearing, taste, vocal apparatus. 4. Sight, optics, eye. 5. Enviromental biophysics. Enviromental factors influence on human. 6. Biophysics of ionising radiation. Radioactivity. Dosimetry. Biological effects of radiation and radiation protection	
Recommended or required literature: Recommended literature: 1. ŠAJTER, V. et al.: Biofyzika, biochémia a rádiológia. Martin, Osveta, 2006, 226 s. 2. HRAZDÍRA, I. – MORNSTEIN, V.: Lékařská biofyzika a přístrojová technika. Brno, Neptun 2004, 396 p. 3. Chrapan, J.: Základy biofyziky 1. Ružomberok, KU, 2004, 143p. 4. Chrapan, J.: Základy biofyziky 2. Ružomberok, KU, 2009, 241p. 5. ROSINA, J. - VRÁNOVÁ, J. et al.: Biofyzika pre zdravotnícké a biomedicínske odbory. Praha, Grada 2013. 224 p. 6. NAVRÁTIL, L. - ROSINA, J. et al.: Medicínska biofyzika. Praha, GRADA, 2005, 524p.	

Language of instruction: slovak language					
Notes: The course is taught only in the winter semester and is evaluated only in the winter semester examination period of the academic year.					
Course evaluation: Assessed students in total: 132					
A	B	C	D	E	FX
27.27	44.7	7.58	11.36	9.09	0.0
Name of lecturer(s): doc. MUDr. Pavol Dubinský, PhD., doc. MUDr. Ivan Solovič, CSc., RNDr. Lucián Zastko, PhD., RNDr. Andrea Tvarožná					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2044W/22	Course title: Cartography and Topography
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 1 hours per semester: 12 / 12 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Active lectures attendance	
Learning outcomes of the course: Learning outcomes: Objective of the course - aims of the course unit: To acquire basic knowledge about map creation, basics of map language, reading and analysis of topographic maps. Acquire basic skills in the use of topographic and geographical maps in professional practice and orientation in the field Theoretical knowledge: Cartography and map, map as an information object, map reading, system of map characters, classification and classes of maps, use of the map in the field, Slovak mapwork. Practical skills: To be able to orientate in the field, follow maps, use the latest GPS technology aids, tablets for navigation and orientation in the field	
Course contents: Brief syllabus: Cartography and map, map as an information object, map reading, system of map characters, classification and classes of maps, use of the map in the field, Slovak map work. The practical part of the teaching is focused on mastering the methodological procedures and possibilities in obtaining information from the map with the aim of their application in professional activities. In the preparation of graduates, it is necessary to include and master modern GIS, GPS and remote sensing technologies.	
Recommended or required literature: NIŽNANSKÝ, B. 2013: Základy kartografie – cvičenia a úlohy. Vysokoškolské skriptá – verzia 2.0, KU Ružomberok NIŽNANSKÝ, B., POPKOVÁ, K. 2014: Kartografie pro školní geografii. Vysokoškolské skriptá – verzia 3.1 TU Liberec Pravda J., Kusendová D. 2005: Tematická kartografia. PRIF UK Bratislava	
Language of instruction: Slovak language or Czech language.	
Notes: Subject is in the winter semester only and the examination takes place in the examination period of the winter semester.	

Course evaluation: Assessed students in total: 112					
A	B	C	D	E	FX
75.89	24.11	0.0	0.0	0.0	0.0
Name of lecturer(s): PaedDr. Bc. Vladimír Blahuta					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2013W/22	Course title: Clinical Practice 1
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 250s Teaching method: on-site	
Credits: 3	Working load: 75 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites: KUZS/54R2008W/22	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinician, written evaluation, diary. Practical and oral exam. Final evaluation: practical exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit: Practically master nursing techniques in natural conditions. Demonstrate methods and procedures of care for hygiene, nutrition, mobility, emptying and vital functions, demonstrate techniques for the application of drugs and medicines, cardiopulmonary resuscitation, immobilization and transport aids. Theoretical knowledge: The content of teaching at JIS clinical workplaces - internal, surgical, traumatological, neurological - is focused on the practical mastery of nursing techniques in natural conditions, which form the content of the subject Nursing Techniques. Practical skills: The student should be able to use the acquired knowledge in practical professional activities, in the study of professional literature and in parallel professional subjects.	
Course contents: Medical documentation. Patient measurement, recording and monitoring. Patient hygiene. Principles of disinfection, sterilization, SZM. Oxygen therapy. Forms of drugs, drugs and their application. Drug injection, i.m., i.v., s.c., capillary blood collection. Blood collection for examination, venipuncture, laboratory blood tests. Preparation of infusions, transfusions, parenteral nutrition. Enteral nutrition, diets, gastric tube. Treatment, wounds, injuries, dressing and fixation techniques. Instrument technology, its operation and care. Primary and secondary examination of the patient, evaluation scales. Securing and care of secured airways, UPV. Immobilization and transport aids. Defibrillator and defibrillator operation, AED, safety in use. Assistance in medical procedures in pre-hospital emergency care. Cardiopulmonary resuscitation of adults. Cardiopulmonary resuscitation of children and newborns. Newborn treatment and care for the mother.	
Recommended or required literature:	
Language of instruction: Slovak language or Czech language.	

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 130

A	B	C	D	E	FX
42.31	13.85	23.08	15.38	3.85	1.54

Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH

Last modification: 02.02.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2026W/22	Course title: Clinical Practice 2
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 210s Teaching method: on-site	
Credits: 3	Working load: 75 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites: KUZS/54R2013W/22	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace, written evaluation, diary. Practical and oral exam. Final evaluation: practical exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit: Practically master nursing techniques in natural conditions. Demonstrate methods and procedures of care for hygiene, nutrition, mobility, emptying and vital functions, demonstrate techniques for the application of drugs and medicines, cardiopulmonary resuscitation, immobilization and transport aids. Theoretical knowledge: The content of teaching at JIS clinical workplaces - internal, surgical, traumatological, neurological - is focused on the practical mastery of nursing techniques in natural conditions, which form the content of the subject Nursing Techniques. Practical skills: To evaluate the current state of vital functions in the injured. Collect anamnestic data and examine the patient. To master the basic principles of treatment and transport of patients, including specific measures at the ICU in traumatology, maternity ward, KARIM, neurosurgery. Identify nursing needs in emergency care and sources of their provision.	
Course contents: Work creatively in a team. Manage the handling of bio-waste and hazardous waste. Application in practice of the principles of disinfection and sterilization, control the collection of biological material for examination, stop bleeding and treat injuries, burns and frostbite, treatment of bone fractures, immobilize the neck, shaft, ensure correct position of the injured according to diagnosis, nasogastric tube insertion and gastric lavage patients with oral poisoning, lead and assist in spontaneous delivery, treat newborn and mother, resuscitate newborn or mother, control infusion in adults with blood volume loss and shock development, administration of non-opiate and opiate analgesics in all forms of administration, administration of antidotes narcotics, administering medication to the patient on the doctor's instruction, controlling the handling of pressure vessels and electrical devices.	
Recommended or required literature:	

Language of instruction: Slovak language or Czech language.					
Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.					
Course evaluation: Assessed students in total: 114					
A	B	C	D	E	FX
13.16	29.82	34.21	21.05	0.88	0.88
Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2034W/22	Course title: Clinical Practice 3
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 295s Teaching method: on-site	
Credits: 3	Working load: 75 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites: KUZS/54R2026W/22	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace Rescue Service, written assessment, diary. Final evaluation: Practical and oral exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit:: Practically master rescue techniques and procedures in natural conditions. Demonstrate knowledge and skills in caring for a disabled person. Demonstrate techniques for the application of drugs and medicines, cardiopulmonary resuscitation, immobilization and transport aids. Master and comply with the regulations of safety and health at work, occupational hygiene and fire protection. Adhere to legal norms in professional activities. Theoretical knowledge: The content of teaching at clinical workplaces of the Emergency Medical Service is focused on the practical mastery of nursing and rescue techniques in natural conditions, which form the content of the subject Emergency Health Care. Practical skills: To evaluate the current state of vital functions in the injured. Take medical history, data and examine the patient. Master the basic principles of treatment and transport of patients, including specific measures. Identify nursing needs in emergency care and sources of their provision. Manage cooperation with other emergency and emergency services. Work creatively in a team and manage a rescue team.	
Course contents: To control the handling of biological waste and waste producing ionizing radiation, application in practice of the principles of disinfection and sterilization, control the collection of biological material for examination, stop bleeding and treat injuries, burns and frostbite, treatment of bone fractures with fixation splints, immobilize the neck position according to the type of injury, relief of the wounded by technical means, provision of life-saving defibrillation, introduction of gastric tube and gastric lavage in cooperating patients with oral poisoning, spontaneous delivery, treatment of newborn and mother, resuscitation of newborn or mother, control of infusion volume and development of shock, administration of non-opiate and opiate analgesics in all dosage forms, administration of an antidote for drug intoxication, administration of drugs to a patient on the instruction of a doctor via radiocommunication or other connecting media, in an acute condition to	

preach medicines that the patient has been prescribed and have not yet taken (eg insulin), control the handling of pressure vessels and electrical equipment.					
Recommended or required literature:					
Language of instruction: Slovak language or Czech language.					
Notes: The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.					
Course evaluation: Assessed students in total: 112					
A	B	C	D	E	FX
41.07	21.43	20.54	10.71	2.68	3.57
Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH					
Last modification: 05.02.2025					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2045W/22	Course title: Clinical Practice 4
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 270s Teaching method: on-site	
Credits: 3	Working load: 75 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites: KUZS/54R2034W/22	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace of the emergency medical service, written evaluation, diary. Practical and oral exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit: To acquire skills for the correct determination of the occupational diagnosis, subsequent correct treatment of the patient, therapeutic procedures and therapy. Selection of suitable transport aids and equipment. Correct patient direction. The aim of the course is to teach the student to work in real situations in emergency health care, from the point of view of a paramedic and assistance in the crew with a doctor. Theoretical knowledge: The content of teaching at clinical workplaces of the Emergency Medical Service is focused on the practical mastery of nursing and rescue techniques in natural conditions, which form the content of the subject Emergency Health Care and Medical Sciences. Practical skills: To evaluate the current state of vital functions in the injured. Collect anamnestic data and examine the patient. Master the basic principles of treatment and transport of patients, including specific measures. Identify nursing needs in emergency care and sources of their provision. Manage cooperation with other emergency and emergency services. Work creatively in a team and manage a rescue team.	
Course contents: Correctly evaluate the situation at the scene of the intervention. Carry out an initial and secondary examination, determine the correct working diagnosis. Choose the right therapeutic procedure for the intended diagnosis. Treat the affected person, transport by appropriate means to a suitable medical facility and hand over the patient to a suitable healthcare professional. Classification and treatment of patients with multiple injuries. Urgent health care for a patient with polytrauma. Urgent health care for a patient with fractures. Urgent health care for a patient with bleeding. Urgent health care for a patient in shock of unknown etiology. Urgent health care for a patient with spinal cord and spinal cord injury. Urgent health care for a patient with a chest injury. Urgent health care for a patient with an abdominal injury. Urgent health care for an unconscious patient. Urgent health care for a patient with craniocerebral injury. Urgent health care for a patient with convulsions. Urgent health care for an intoxicated patient. Emergency care for a patient injured by heat or cold.	
Recommended or required literature:	

Language of instruction: Slovak language or Czech language.					
Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.					
Course evaluation: Assessed students in total: 117					
A	B	C	D	E	FX
37.61	13.68	14.53	29.06	4.27	0.85
Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2012W/22	Course title: Clinical Propedeutics
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 3 / 2 hours per semester: 36 / 24 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites: KUZS/54R2001W/22	
Requirements for passing the course: During the semester: Attendance at lectures and exercises, patient examination, medical record preparation. The final evaluation: Oral exam. Subject evaluation: A – 100%-91% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: The objective of the course: To handle the basics of patient examination. To be able to gain anamnesis, to perform basic physical examination. To know basics of some examination methods, correct indication and preparation before examination. The student is able to perform some examinations. To get to know with some basic diagnostic machines. Theoretical knowledge: The student gains theoretical knowledge about the ways for diagnosis statement (nursing and medical diagnosis). He knows to gain anamnesis from patient, distinguishes various types of anamnesis. He also knows how to perform basic physical examination (inspection, percussion, palpation, auscultation), he is able to evaluate the gained findings. He reviews vital functions. The student knows to analyse the information from anamnesis and physical examination, which results to the preliminary nursing diagnosis statment. He is able to review the importance of changes and state the correct solution. Practical skills: The student is able to interpret anamnestic data gained from patient, performs the physical examination of patient. He knows basic principles of ECG examination, blood pressure, temperature, urine examination, ECG and blood pressure monitoring, exercise ECG examination and gastroenterologic examinations (gastrofibroscopy, rectoscopy, colonoscopy). He gains basic knowledge from nuclear medicine and radiology.	
Course contents: 1. Anamnesis, types of anamnesis. 2. The physical examination (inspection, percussion, palpation, auscultation). Vital functions. 3. The overall examination (state of consciousness, location, nutrition, skin). 4. Physical examination of head, neck, thorax. 5. Physical examination of abdomen. 6. Physical examination of limbs, vascular system.	

7. Physical examination of musculoskeletal system and spine.
8. The basics of electrocardiography.
9. The basics of sonography, ECG monitoring, blood pressure, exercise ECG examination.
10. The basics of nuclear medicine and radiology.
11. The basics of gastroenterologic examination (gastrofibroscopy, rectoscopy).
12. Heart variability examination, practical evaluation of ECG.

Recommended or required literature:

1. BULÍKOVÁ T.: EKG pre záchranárov. Praha: Grada, 2014.
2. DOBIÁŠ V. Klinická propedeutika v urgentnej medicíne. Praha: Grada, 2013.
3. LACKO, A. et al.: Základy klinickej propedeutiky, rádiológie a nukleárnej medicíny pre nelekárske zdravotnícke odbory. Martin. Osveta. 2019.

Language of instruction:

Slovak language or Czech language

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 145

A	B	C	D	E	FX
4.14	8.97	17.93	20.69	33.1	15.17

Name of lecturer(s): prof. MUDr. Anton Lacko, CSc., MUDr. Antonín Hruboň, PhD.

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2014W/22	Course title: Communication and Professional Ethics
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 2 hours per semester: 24 / 24 Teaching method: on-site	
Credits: 3	Working load: 75 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During the semester: the exercises will be independent and group work with active solution of model situations with practical mastery of the subject. In order to be admitted to the exam, it is necessary to actively participate in the exercises and, as part of the controlled self-study, to prepare a semester work; its evaluation is 10% of the final evaluation. Final evaluation: written exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit: To acquire knowledge, skills in the field of professional communication, to demonstrate the basics of professional behavior in emergency health care. Characterize the specifics of communication, control the model of effective communication based on the situation, intervening components, environment and self-assessment. Theoretical knowledge: To characterize the specifics of communication, to master the model of effective communication based on the situation, intervening components, environment and self-assessment. Practical skills: The student masters the basics of communication with different age groups, marginalized, in specific emergency conditions, masters the means of communication and the laws of their use.	
Course contents: 1. Characteristics of social communication. Non-verbal communication, paralinguistic aspects of communication, verbal communication. 2. Rules of communication. Empathy. The importance of communication. Verbal expressions. 3. Interview. Questions in interviews. Interview structure. 4. Evaluation, devaluation. Assertive behaviour. 5. The need for information. Communication styles, communication models. 6. General principles of effective communication. Communication with different characters - sanguinics, choleric, melancholic, phlegmatic. 7. Effective communication with the patient from the point of view of a paramedic. Communication with a patient with a disorder of consciousness. Communication with a patient of another nationality - a multicultural approach.	

8. Communication with a pediatric patient, with a geriatric patient, with a patient in the terminal stage of the disease, with a handicapped patient., Basal stimulation.
9. Communication with other IRS units and medical staff.
10. Communication in case of mass accidents and emergencies.
11. Communication during a traffic accident.
12. Factors influencing communication - fear, stress, mental disorders, emergencies.

Recommended or required literature:

Language of instruction:

Slovak language or Czech language.

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 209

A	B	C	D	E	FX
43.54	26.32	18.18	6.7	2.87	2.39

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, Ing. Mgr. Imrich Andrási, MPH

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2009W/22	Course title: Continuos Professional Practice 1
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 90s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace, written evaluation in the recorder of practice. Final evaluation: practical and oral exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit: Practically master nursing techniques in natural conditions. Demonstrate methods and procedures of care for hygiene, nutrition, mobility, emptying and vital functions, demonstrate techniques for the application of drugs and medicines. Theoretical knowledge: The student should gain knowledge of nursing techniques, during the 1st semester. Practical skills: The student should be able to use the acquired knowledge in practical professional activities, in the study of professional literature and in parallel professional subjects.	
Course contents: Acquisition of practical skills in real professional practice in departments. Medical documentation. Patient measurement, recording and monitoring. Patient hygiene. Principles of disinfection, sterilization, SZM. Forms of drugs, drugs and their application. Drug injection, i.m., i.v., s.c., capillary blood collection. Blood collection for examination, venipuncture, laboratory blood tests. Preparation of infusions, transfusions, parenteral nutrition. Enteral nutrition, diets, gastric tube. Treatment, wounds, injuries, dressing and fixation techniques. Positioning, transport and assistance techniques. Introduction of urinary catheter and care of PMK. Hygienic care. Mobility and immobility. Patient monitoring. Assistance in medical procedures. Caring for a dead body.	
Recommended or required literature:	
Language of instruction: Slovak language or Czech language.	
Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.	

Course evaluation: Assessed students in total: 133					
A	B	C	D	E	FX
65.41	19.55	11.28	3.01	0.0	0.75
Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2020W/22	Course title: Continuos Professional Practice 2
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 205s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites: KUZS/54R2009W/22	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace, written evaluation, practice diary, participation in the thematic exercise UHPO Lešť. Final evaluation: practical and oral exam	
Learning outcomes of the course: Objective of the course - aims of the course unit: Practically master nursing techniques in natural conditions. Demonstrate methods and procedures of care for hygiene, nutrition, mobility, emptying and vital functions, demonstrate techniques for the application of drugs and medicines. Theoretical knowledge: The student should gain knowledge of nursing techniques, clinical exercises during the 2nd semester. Practical skills: The student should be able to use the acquired knowledge in practical professional activities, in the study of professional literature and in parallel professional subjects.	
Course contents: Acquisition of practical skills in real professional practice in departments. Medical documentation. Patient measurement, recording and monitoring. Patient hygiene. Principles of disinfection, sterilization, SZM. Forms of drugs, drugs and their application. Drug injection, i.m., i.v., s.c., capillary blood collection. Blood collection for examination, venipuncture, laboratory blood tests. Preparation of infusions, transfusions, parenteral nutrition. Enteral nutrition, diets, gastric tube. Treatment, wounds, injuries, dressing and fixation techniques. Positioning, transport and assistance techniques. Introduction of urinary catheter and care of PMK. Hygienic care. Mobility and immobility. Patient monitoring. Assistance in medical procedures. Caring for a dead body.	
Recommended or required literature:	
Language of instruction: Slovak or Czech language.	
Notes: The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.	

Course evaluation: Assessed students in total: 131					
A	B	C	D	E	FX
48.09	19.85	16.79	12.98	0.0	2.29
Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH					
Last modification: 05.02.2025					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2048W/22	Course title: Continuos Professional Practice 5
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 105s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites: KUZS/54R2038W/22	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace of the emergency medical service, completion and practical mastery of work at the emergency medical service operation center, written evaluation, diary. Final evaluation: Practical and oral exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit: To acquire skills for the correct determination of the occupational diagnosis, subsequent correct treatment of the patient, therapeutic procedures and therapy. Selection of suitable transport aids and equipment. Correct patient direction. The aim of the course is to teach the student to work in real situations in emergency health care, from the point of view of a paramedic and assistance in the crew with a doctor. Theoretical knowledge / Practical skills: Acquire skills and knowledge that correspond to the competencies of a paramedic according to Decree 151/2018 Coll. Of the Ministry of Health of the Slovak Republic of 9 May 2018, which amends the Decree of the Ministry of Health of the Slovak Republic no. 321/2005 Coll. on the scope of practice in certain health professions, as amended by later regulations of the Ministry of Health. The aim of the course is to teach students to work in real situations in emergency health care.	
Course contents: Deepening and acquiring new skills and knowledge while working in pre-hospital emergency care. Correctly evaluate the situation at the scene of the intervention. Carry out an initial and secondary examination, determine the correct working diagnosis. Choose the right therapeutic procedure for the intended diagnosis. Treat the affected person, transport by appropriate means to a suitable medical facility and hand over the patient to a suitable healthcare professional. Classification and treatment of patients with multiple injuries. Urgent health care for a patient with polytrauma. Urgent health care for a patient with fractures. Urgent health care for a patient with bleeding. Urgent health care for a patient in shock of unknown etiology. Urgent health care for a patient with spinal cord and spinal cord injury. Urgent health care for a patient with a chest injury. Urgent health care for a patient with an abdominal injury. Urgent health care for an unconscious patient. Urgent health care for a patient with craniocerebral injury. Urgent health care for a patient with convulsions. Urgent health care for an intoxicated patient. Emergency care for a patient injured by heat or cold. Urgent health care for a patient injured by electric shock and lightning. Urgent health care	

for a patient with impaired consciousness at NCMP. Emergency care for a patient with chronic respiratory insufficiency. Emergency care for a patient with acute respiratory insufficiency. Urgent health care for a patient with coronary heart disease. Urgent health care for a patient with DM. Urgent healthcare for a patient with an allergic reaction. Urgent health care for the patient after heating. Sudden birth in the field (care for mother and newborn). Cardiopulmonary resuscitation in the field. Caring for a patient with acute psychosis. Cardiopulmonary resuscitation of a child in the field. Correct use of all material and technical aids listed in the Professional Guideline of the Ministry of Health 10548/2009 Coll., Which talks about the material and technical equipment of ambulance vehicles.

Recommended or required literature:

Language of instruction:

Slovak language or Czech language.

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 114

A	B	C	D	E	FX
42.98	24.56	23.68	7.02	0.88	0.88

Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2054W/22	Course title: Continuos Professional Practice 6
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 400s Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 6.	
Level of study: I.	
Prerequisites: KUZS/54R2048W/22	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace of the emergency medical service, participation and mastery of thematic exercises UHPO in the training center Lešť, Course of tactical medicine 2 part., Written evaluation, diary. Practical and oral exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit: To acquire skills and knowledge that correspond to the competencies of a paramedic, the aim of the course is to teach students to work in real situations in emergency health care. Theoretical knowledge / Practical skills: Acquire skills and knowledge that correspond to the competencies of a paramedic according to Decree 151/2018 Coll. Of the Ministry of Health of the Slovak Republic of 9 May 2018, which amends the Decree of the Ministry of Health of the Slovak Republic no. 321/2005 Coll. on the scope of practice in certain health professions, as amended by later regulations of the Ministry of Health. The aim of the course is to teach students to work in real situations in emergency health care.	
Course contents: Deepening and acquiring new skills and knowledge while working in pre-hospital emergency care. Correctly evaluate the situation at the scene of the intervention. Carry out an initial and secondary examination, determine the correct working diagnosis. Choose the right therapeutic procedure for the intended diagnosis. Treat the affected person, transport by appropriate means to a suitable medical facility and hand over the patient to a suitable healthcare professional. Classification and treatment of patients with multiple injuries. Urgent health care for a patient with polytrauma. Urgent health care for a patient with fractures. Urgent health care for a patient with bleeding. Urgent health care for a patient in shock of unknown etiology. Urgent health care for a patient with spinal cord and spinal cord injury. Urgent health care for a patient with a chest injury. Urgent health care for a patient with an abdominal injury. Urgent health care for an unconscious patient. Urgent health care for a patient with craniocerebral injury. Urgent health care for a patient with convulsions. Urgent health care for an intoxicated patient. Emergency care for a patient injured by heat or cold. Urgent health care for a patient injured by electric shock and lightning. Urgent health care for a patient with impaired consciousness at NCMP. Emergency care for a patient with chronic	

respiratory insufficiency. Emergency care for a patient with acute respiratory insufficiency. Urgent health care for a patient with coronary heart disease. Urgent health care for a patient with DM. Urgent healthcare for a patient with an allergic reaction. Urgent health care for the patient after heating. Sudden birth in the field (care for mother and newborn). Cardiopulmonary resuscitation in the field. Caring for a patient with acute psychosis. Cardiopulmonary resuscitation of a child in the field. Correct use of all material and technical aids listed in the Professional Guideline of the Ministry of Health 10548/2009 Coll., Which talks about the material and technical equipment of ambulance vehicles.

Recommended or required literature:

Language of instruction:

Slovak language or Czech language.

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 110

A	B	C	D	E	FX
41.82	14.55	30.0	10.91	0.91	1.82

Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH

Last modification: 05.02.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2027W/22	Course title: Continuous Professional Practice 3
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 110s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites: KUZS/54R2020W/22	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace Falck a.s., completion of the course of mountain rescue service and practical mastery of the course in natural conditions of mountain rescue service, written evaluation recorder of practice. Final evaluation: Practical and oral exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit:: Practically master rescue techniques and procedures in natural conditions. Demonstrate knowledge and skills in caring for a disabled person. Demonstrate techniques for the application of drugs and medicines, cardiopulmonary resuscitation, immobilization and transport aids. Master and comply with the regulations of safety and health at work, occupational hygiene and fire protection. Adhere to legal norms in professional activities. Theoretical knowledge / Practical skills: To master the requirements prescribed by professional workplaces. Practical mastery of nursing techniques and rescue techniques in natural conditions.	
Course contents: Identify nursing needs in emergency care and sources of their provision. Master the procedures of cooperation with the operational center of the rescue service. Manage cooperation with other emergency and emergency services. Work creatively in a team and manage a rescue team. To manage the equipment of rescue service vehicles, maintenance and operation of this equipment. Master the basics of cartography, topography, working with a compass and GPS. Evaluate the current state of vital functions in the injured. Releasing the wounded by technical means, providing life-saving defibrillation. Control the infusion of adults in the event of blood volume loss and the development of shock. pressure vessels.	
Recommended or required literature:	
Language of instruction: Slovak language or Czech language.	
Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.	

Course evaluation: Assessed students in total: 114					
A	B	C	D	E	FX
49.12	20.18	27.19	1.75	0.0	1.75
Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2038W/22	Course title: Continuous Professional Practice 4
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 260s Teaching method: on-site	
Credits: 3	Working load: 75 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites: KUZS/54R2027W/22	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace Falck a.s. or Rescue Service Košice and completion of the course of the mountain rescue service and practical mastery of the course in the natural conditions of the mountain rescue service, participation in the thematic exercise UHPO Lešť, Tactical Medicine Course Part 1, written evaluation recorder of practice. Final evaluation: Practical and oral exam	
Learning outcomes of the course: Objective of the course - aims of the course unit: To demonstrate knowledge and skills in caring for a disabled person. Demonstrate techniques for the application of drugs and medicines, cardiopulmonary resuscitation, immobilization and transport aids. Master and comply with the regulations of safety and health at work, occupational hygiene and fire protection. Adhere to legal norms in professional activities. Theoretical knowledge / Practical skills: To master the requirements prescribed by professional workplaces. Practical mastery of nursing techniques and rescue techniques in natural conditions.	
Course contents: Professional cooperation with providers of emergency medical services and mountain rescue services. Identify nursing needs in emergency care and sources of their provision. Manage cooperation with other emergency and emergency services. Work creatively in a team and manage a rescue team. To manage the equipment of rescue service vehicles, the maintenance and operation of this equipment. ". Master the basics of cartography, topography, working with a compass and GPS. Collect anamnestic data and examine the patient. Work creatively in a team. Evaluate the current state of vital functions in the injured. Collect anamnestic data and examine the patient. Master the basic principles of treatment and transport of patients, including specific measures. Identify nursing needs in emergency care and sources of their provision. Manage cooperation with the rescue service operations center. To manage cooperation with other IRS units. To manage the equipment of rescue service vehicles, maintenance and operation of this equipment. Control the handling of biological waste and hazardous waste, application in practice of the principles of disinfection and sterilization, stop bleeding and treat injuries, burns and frostbite, treatment of bone fractures with fixation plates, immobilize the neck, shaft, ensuring the correct position of the injured according to	

the type of injuries , providing life-saving defibrillation, introduction of a gastric tube and gastric lavage in cooperating patients with oral poisoning, spontaneous delivery, treatment of neonates and mothers, resuscitation of neonates or mothers, control infusion in adults in case of blood volume loss and shock development, and opiate analgesics in all dosage forms, administration of antidotes for drug intoxication, administration of drugs to a patient on the instruction of a doctor via radiocommunication or other communication media, in an acute condition to be able to administer drugs prescribed by the patient and not yet used, ov handle the handling of pressure vessels and electrical equipment.

Recommended or required literature:

Language of instruction:

Slovak language or Czech language.

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 111

A	B	C	D	E	FX
46.85	17.12	26.13	5.41	0.9	3.6

Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH

Last modification: 05.02.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2046W/22	Course title: Crisis Management
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 1 hours per semester: 12 / 12 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course:	
Learning outcomes of the course: Objective of the course: To gain knowledge and skills in the field of crisis management and radiation protection, radiation incident (event) and radiation accident. To demonstrate the basics of crisis management, radiation protection and the behavior during radiation incident (event) and accident in urgent healthcare. To characterize specifics of crisis, radiation protection, radiation incident (event) and accident in pre-hospital emergency healthcare, to get to know with the procedures of particular parts of emergency system. Theoretical knowledge: The student knows the basic terms and situations in crisis management, radiation protection, radiation incident (event) and accident. He gains knowledge how to proceed in mentioned situations, planning and prevention those of. Practical skills: In the case of crisis situation, radiation incident (event), accident, the student knows to contact the forces and resources of emergency, government management and public organs. He knows to prepare crisis strategy, protective procedure when radiation incidents (event).	
Course contents: 1. The introduction of the subject crisis management, radiation protection, radiation incident (event) and radiation accident. 2. The origin and evolution of crisis management. 3. Crisis, crisis situations and crisis conditions. 4. The field of scope, organisation, tasks and organs of crisis management. 5. Crisis management of emergency healthcare. 6. Crisis management in public and government organs. Forces and resources of crisis management. 7. Crisis situations solutions and crisis strategies preparation. 8. Radiation protection, radiation incident (event) and accident, government organs in the field of radiation protection and Ministry of health of SR, the basic principles of radiation protection, operation at departments with radioactive emitters, determination of protection areas, population and environment protection including emergency situations. 11. The operation of emergency healthcare during radiation incident (event) and accident. 12. The operation of integrated emergency healthcare during radiation incident (event) and accident.	
Recommended or required literature:	
Language of instruction: Slovak language or Czech language.	

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 112

A	B	C	D	E	FX
8.93	33.04	35.71	16.07	6.25	0.0

Name of lecturer(s): doc. MUDr. Ivan Solovič, CSc., Ing. Mgr. Imrich Andrási, MPH

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok					
Faculty: Faculty of Health					
Course code: KUZS/54R21S/22		Course title: Defense of Final Thesis			
Type and range of planned learning activities and teaching methods: Form of instruction: Recommended study range: hours weekly: hours per semester: Teaching method: on-site					
Credits: 6		Working load: 150 hours			
Recommended semester/trimester: 5., 6..					
Level of study: I.					
Prerequisites:					
Requirements for passing the course:					
Learning outcomes of the course:					
Course contents:					
Recommended or required literature:					
Language of instruction:					
Notes:					
Course evaluation: Assessed students in total: 110					
A	B	C	D	E	FX
33.64	35.45	18.18	6.36	6.36	0.0
Name of lecturer(s):					
Last modification:					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2050W/22	Course title: Disaster Medicine
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 4 hours per semester: 12 / 48 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: 100% active participation, practical mastery of the subject in the natural conditions of the clinical workplace of the emergency medical service and completion and practical mastery of work at the emergency room written evaluation, diary. Final evaluation: Practical and oral exam.	
Learning outcomes of the course: Objective of the course - aims of the course unit: To acquire skills for the correct determination of the occupational diagnosis, subsequent correct treatment of the patient, therapeutic procedures and therapy. Selection of suitable transport aids and equipment. Correct patient direction. The aim of the course is to teach the student to work in real situations in emergency health care, from the point of view of a paramedic and assistance in the crew with a doctor. Theoretical knowledge / Practical skills: Acquire skills and knowledge that correspond to the competencies of a paramedic according to Decree 334/2010 Coll. Ministry of Health. The aim of the course is to teach students to work in real situations in emergency health care.	
Course contents: Deepening and acquiring new skills and knowledge while working in pre-hospital emergency care. Correctly evaluate the situation at the scene of the intervention. Carry out an initial and secondary examination, determine the correct working diagnosis. Choose the right therapeutic procedure for the intended diagnosis. Treat the affected person, transport by appropriate means to a suitable medical facility and hand over the patient to a suitable healthcare professional. Classification and treatment of patients with multiple injuries. Urgent health care for a patient with polytrauma. Urgent health care for a patient with fractures. Urgent health care for a patient with bleeding. Urgent health care for a patient in shock of unknown etiology. Urgent health care for a patient with spinal cord and spinal cord injury. Urgent health care for a patient with a chest injury. Urgent health care for a patient with an abdominal injury. Urgent health care for an unconscious patient. Urgent health care for a patient with craniocerebral injury. Urgent health care for a patient with convulsions. Urgent health care for an intoxicated patient. Emergency care for a patient injured by heat or cold. Urgent health care for a patient injured by electric shock and lightning. Urgent health care for a patient with impaired consciousness at NCMP. Emergency care for a patient with chronic respiratory insufficiency. Emergency care for a patient with acute respiratory insufficiency. Urgent	

health care for a patient with coronary heart disease. Urgent health care for a patient with DM. Urgent healthcare for a patient with an allergic reaction. Urgent health care for the patient after heating. Sudden birth in the field (care for mother and newborn). Cardiopulmonary resuscitation in the field. Caring for a patient with acute psychosis. Cardiopulmonary resuscitation of a child in the field. Correct use of all material and technical aids listed in the Professional Guideline of the Ministry of Health 10548/2009 Coll., Which talks about the material and technical equipment of ambulance vehicles.

Recommended or required literature:

Language of instruction:

Slovak language or Czech language.

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 111

A	B	C	D	E	FX
2.7	83.78	12.61	0.0	0.9	0.0

Name of lecturer(s): doc. MUDr. Milan Minarik, PhD., Mgr. Bc. Dagmar Tomčanyová

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok					
Faculty: Faculty of Health					
Course code: KUZS/54R23S/22		Course title: Emergency Medicine			
Type and range of planned learning activities and teaching methods: Form of instruction: Recommended study range: hours weekly: hours per semester: Teaching method: on-site					
Credits: 6		Working load: 150 hours			
Recommended semester/trimester: 5., 6..					
Level of study: I.					
Prerequisites:					
Requirements for passing the course:					
Learning outcomes of the course:					
Course contents:					
Recommended or required literature:					
Language of instruction:					
Notes:					
Course evaluation: Assessed students in total: 111					
A	B	C	D	E	FX
23.42	13.51	28.83	11.71	21.62	0.9
Name of lecturer(s):					
Last modification:					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2039W/22	Course title: Emergency Medicine 1
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 3 / 2 hours per semester: 36 / 24 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites: KUZS/54R2023W/22	
Requirements for passing the course: Mandatory entrance subjects: 54R1028W Surgery and traumatology, 54R1036W Internal medicine During the semester: active participation on lectures and practices Final evaluation: Examination and test. Active participation on lectures and practices is required for taking the examination. Subject evaluation: A – 100 % - 93 % B – 92 % - 85 % C – 84 % - 77 % D – 76 % - 69 % E – 68 % - 60 % FX – 59 % - 0 %	
Learning outcomes of the course: The form, extent and method of educational activities: Form: daily form: lectures/practices Extend: daily form(weekly): 3/2 Method: daily form: personal attendance Number of credits: 4 Recommended semester: 4 Study degree: 1 Subject goals: Emergency medicine as the main subject, gives theoretical information and practical skills for providing emergency health care for life threatening situations in prehospital and hospital setting. It is a medical interdisciplinary field covering emergency medical conditions. Theoretical knowledge: Student will be able to assess the initial patient's condition and manage the emergency situations in prehospital setting. Practical skills: Student will be able to apply the theoretical knowledge for management of acutely ill patients	
Course contents: Syllabus: Emergency medicine in the rescue system - prehospital, hospital setting, Initial assessment of patient condition Central dispatching, problem oriented communication Anatomy, physiology and pathophysiology of vital organ systems Primary and secondary survey, Organization of rescue system Management of critical conditions	

Recommended or required literature:

Literature:

BYDŽOVSKÝ J.: Akútni stavy v kontextu. Praha Triton, 2008,
DOBIÁŠ, V. a kol.: Prednemocničná urgentná medicína. Martin : Osveta, 2012
ŠEBLOVÁ, KNOR, Urgentní medicína v klinické praxi lékaře. Praha, Grada 2013
REMEŠ, Praktická příručka prednemocničnej urgentnej medicíny. Praha, Grada 2013
JANOTA, T., Šok a kardiopulmonární resuscitace. Praha, Triton 2012
KAPOUNOVÁ, G.: Ošetrovatelství v intenzivní péči, Grada,2007, Praha, 368 s.

Language of instruction:

english

Notes:

Subject is included in the summer semester only and the final evaluation takes place in the summer semester examination period.

Course evaluation:

Assessed students in total: 110

A	B	C	D	E	FX
22.73	48.18	19.09	4.55	5.45	0.0

Name of lecturer(s): doc. MUDr. Milan Minarik, PhD.**Last modification:** 03.02.2022**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2049W/22	Course title: Emergency Medicine 2
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 3 / 2 hours per semester: 36 / 24 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites: KUZS/54R2039W/22	
Requirements for passing the course: Mandatory entrance subjects: 54R1045 Emergency medicine 1 During the semester: active participation on lectures and practices Final evaluation: Examination. Active participation on lectures and practices is required for taking the examination. Subject evaluation: A – 100 % - 93 % B – 92 % - 85 % C – 84 % - 77 % D – 76 % - 69 % E – 68 % - 60 % FX – 59 % - 0 %	
Learning outcomes of the course: The form, extend and method of educational activities: Form: daily form: lectures/practices Extend: daily form(weekly): 3/2 Method: daily form: personal attendance Number of credits: 5 Recommended semester: 5 Study degree: 1 Subject goals: Emergency medicine as the main subject, gives theoretical information and practical skills for providing emergency health care for life threatening situations in prehospital and hospital setting. It is medical interdisciplinary field covering emergency medical conditions. Theoretical knowledge: Student will be able to assess the initial patients condition and manage the emergency situations in prehospital setting. Practical skills: Student will be able to apply the theoretical knowledge for management of acutely ill patients	
Course contents: Triage. Principles of basic and advanced life support. Procedures in emergency medical care. Cardiopulmonary resuscitation. Management of special circumstances: trauma, newborns,	

children, pregnant women. Acute coronary syndrome a arrhythmias. Respiratory failure. Disorders of consciousness, stroke. Logistic and organisation of emergency medical care.

Recommended or required literature:

BYDŽOVSKÝ, J. : Akutní stavy v kontextu, Triton, 2008. ISBN 9788072548156
DOBIÁŠ, V. a kol.: Prednemocničná urgentná medicína. Martin : Osveta, 2012.
KAPOUNOVÁ, G.: Ošetrovatelství v intenzivní péči, Grada, 2007, Praha, 368 s.
ŠEBLOVÁ, KNOR, Urgentní medicína v klinické praxi lékaře. Praha, Grada 2013
REMĚŠ, Praktická příručka prednemocničnej urgentnej medicíny. Praha, Grada 2013
JANOTA, T., Šok a kardiopulmonární resuscitace. Praha, Triton 2012

Language of instruction:

english

Notes:

Subject is in the winter semester only and the evaluation takes place in the examination period of the winter semester.

Course evaluation:

Assessed students in total: 111

A	B	C	D	E	FX
27.03	40.54	20.72	9.01	2.7	0.0

Name of lecturer(s): doc. MUDr. Milan Minarik, PhD.

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2010Y/22	Course title: English Language 1
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: The condition for passing the course is to write a test or an oral exam. Course evaluation: A - 100% -92% B - 91% -84% C - 83% -77% D - 76% -69% E - 68% -60% FX - 59% - 0%	
Learning outcomes of the course: The student will briefly repeat the basic grammatical phenomena of the English language using vocabulary and phraseology focused on the issue of emergency and pre-hospital care. Gain the ability to use the correct medical terms in English.	
Course contents: 1. Infinitive, Simple Present, The Human Body. 2. Exercises using words regarding human anatomy. 3. Present Continuous, Skeletons, Bones and Joints. 4. Exercises. Conversation. 5. Simple Past, Health Issues. 6. Accidents, Conversation. Interview. 7. Past Continuous. Medicines. 8. Conversation, Dangers. 9. Present Perfect, first aid kit, ambulance. 10. Conversation, Airway, Breathing and Circulation 11. Trauma Injuries, Personal Protective Equipment, Instruments and Equipment 12. Pain Killers, Symptomatic Relief, High Blood Pressure.	

Recommended or required literature:

BAUMRUKOVÁ, I.: English in Urgent Care Medicine 1, Tigris, 2015, 595 p.
BAUMRUKOVÁ, I.: English in Urgent Care Medicine 2, Tigris, 2015, 541 p.
CITA, S.: English for Nursing and Paramedical Professions, Praha, Karolinum, 2012, 193 p.
HUDDLESTON, R. a kol: The Cambridge Grammar of the English Language, New Zork, Cambridge University Press, 2014, 1842 p.
LITVA, V., ANDRASI, I., HLINKOVÁ, S.: English for Paramedics Students, FZ KU Ružomberok, 2017, material from the teacher.
<https://www.itriagehealth.com/>

Language of instruction:

Slovak Language

Notes:

The course (subject) is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 131

A	B	C	D	E	FX
61.83	13.74	7.63	5.34	9.16	2.29

Name of lecturer(s): PaedDr. Martin Pinkoš

Last modification: 13.08.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2021Y/22	Course title: English Language 2
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites: KUZS/54R2010Y/22	
Requirements for passing the course: The condition for completing the course is the preparation of a PPT presentation, or an oral exam. Course rating: A - 100% -92% B - 91% -84% C - 83% -77% D - 76% -69% E - 68% -60% FX - 59% - 0%	
Learning outcomes of the course: The student will briefly repeat the basic grammatical phenomena of the English language using vocabulary and phraseology focused on the issue of emergency and pre-hospital care. Gain the ability to use the correct medical terms in English.	
Course contents: 1. History, Hospital Wards. 2. Present Perfect Continuous, Paramedics History. 3. Artificial respiration, Cardiac Arrest. Emergency. 4. Past Perfect. First aid. 5. Past Perfect Continuous, Childbirth and Pregnancy. 6. Pre-hospital Emergency Care. The Public Discovers Paramedicine. Paramedics Jokes 7. Nausea, Gastric Lavage. 8. Simple Future. Paramedics - Places to Work. 9. Conversation, Paramedics Jokes. 10. Future Continuous, Scars. 11. Ambulance, Transport. 12. Future Perfect, Future Perfect Continuous, Emergency Medicine, EMT.	
Recommended or required literature: BAUMRUKOVÁ, I.: English in Urgent Care Medicine 1, Tigris, 2015, 595 p. BAUMRUKOVÁ, I.: English in Urgent Care Medicine 2, Tigris, 2015, 541 p. CITA, S.: English for Nursing and Paramedical Professions, Praha, Karolinum, 2012, 193 p. HUDDLESTON, R. et al: The Cambridge Grammar of the English Language, New Zork, Cambridge University Press, 2014, 1842 p. LITTVÁ, V., ANDRASI, I., HLINKOVÁ, S.: English for Paramedics Students, FZ KU Ružomberok, 2017, material from the teacher. https://www.itriagehealth.com/	

Language of instruction: Slovak Language					
Notes: The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.					
Course evaluation: Assessed students in total: 127					
A	B	C	D	E	FX
75.59	11.81	8.66	0.79	2.36	0.79
Name of lecturer(s): PaedDr. Martin Pinkoš					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2031Y/22	Course title: English Language 3
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites: KUZS/54R2021Y/22	
Requirements for passing the course: The condition for passing the course is to write a test or an oral exam. Course rating: A - 100% -92% B - 91% -84% C - 83% -77% D - 76% -69% E - 68% -60% FX - 59% - 0%	
Learning outcomes of the course: The student will learn to use vocabulary and phraseology in contact with the patient from the issues of emergency and pre-hospital care. Gains the ability to communicate by solving simultaneous situations. Student will gain knowledge of individual diagnoses and their symptoms in English.	
Course contents: 1. Introducing yourself, your profession to the patient and gaining trust. 2. Primary and secondary examinations of the patient. Explanation to the patient. 3. Taking anamnesis. 4. Patient treatment. Communication to performance. 5. Ascites, celiac disease, constipation, hernia, irritable bowel syndrome. 6. Lactose intolerance, indigestion, ileus, urinary retention. 7. Alcoholism, allergy, nasal polyps, obesity. 8. Rhinitis, sinusitis, apnea, tonsillitis, bladder inflammation, Covid19. 9. Withdrawal syndrome, Alzheimer's, carbon monoxide poisoning. 10. dehydration, dementia, diabetes, overdose. 11. Intercranial hematoma, hyperthyroidism, hypoglycemia, hypotension, hypoxia, cerebral hemorrhage. 12. Lumbago, Stenosis, arthritis, neuralgia.	
Recommended or required literature: BAUMRUKOVÁ, I.: English in Urgent Care Medicine 1, Tigris, 2015, 595 p. BAUMRUKOVÁ, I.: English in Urgent Care Medicine 2, Tigris, 2015, 541 p. CITA, S.: English for Nursing and Paramedical Professions, Praha, Karolinum, 2012, 193 p. HUDDLESTON, R. a kol: The Cambridge Grammar of the English Language, New Zork, Cambridge University Press, 2014, 1842 p. LITTVÁ, V., ANDRASI, I., HLINKOVÁ, S.: English for Paramedics Students, FZ KU Ružomberok, 2017, material from the teacher. https://www.itriagehealth.com/	

Language of instruction: Slovak Language					
Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.					
Course evaluation: Assessed students in total: 111					
A	B	C	D	E	FX
74.77	10.81	5.41	5.41	2.7	0.9
Name of lecturer(s): PaedDr. Martin Pinkoš					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2042Y/22	Course title: English Language 4
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites: KUZS/54R2031Y/22	
Requirements for passing the course: Podmienkou absolvovania predmetu je príprava PPT prezentácie, prípadne ústna skúška. Hodnotenie predmetu: A – 100%-92% B – 91%-84% C – 83%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: The student will learn to use vocabulary and phraseology in contact with the patient from the issues of emergency and pre-hospital care. Gains the ability to communicate by solving simultaneous situations. Student will gain knowledge of individual diagnoses and their symptoms in English.	
Course contents: 1. Diagnosis and Symptoms: Sepsis (serious blood infection), Traumatic brain injury. 2. Symptoms of Cerebral vascular accident (stroke), Cervical spine stenosis (narrowing of spinal canal), Cervical spondylosis (neck arthritis). 3. Diagnosis and Symptoms: Multiple sclerosis (MS), Peripheral neuropathy (nerve damage), Peripheral vascular disease (blocked blood vessels), Basilar artery migraine (headache). 4. Brain tumor (cancer of the brain), Concussion, Ear infection, middle ear (otitis media). 5. Diagnosis and Symptoms: Bipolar disorder (manic depressive disorder), Post-traumatic stress disorder (PTSD), Depression (excessive sadness). 6. Obsessive compulsive disorder (OCD, anxiety disorder), Schizoaffective disorder (features of schizophrenia and mood disorder). 7. Diagnosis and Symptoms: Pneumonia (lung infection), Congestive heart failure (CHF), Pleural effusion (abnormal chest fluid), Pulmonary embolism (blood clot in the lungs). 8. Diagnosis and Symptoms: Cardiomyopathy (weakened heart), Myocardial infarction (heart attack). 9. Pulmonary edema (fluid build-up in the lungs), Bradycardia (slow heart rate), Arrhythmia (abnormal heart rhythm), Pneumothorax (collapse of lung), Smoke inhalation, Anaphylaxis (severe/life threatening allergic reaction). Broken heart syndrome (Takotsubo cardiomyopathy). 10. Diagnosis and Symptoms: Chronic liver disease, Hepatitis (liver inflammation), Jaundice (yellow skin color). 11. Diagnosis and Symptoms: Insomnia (difficulty sleeping), Personality disorder (unhealthy patterns of thinking and behavior), Self-inflicted injury, Suicide.	

12. Anxiety disorder (generalized anxiety disorder, GAD), Parkinson's disease (movement disorder), Restless legs syndrome (nervous system disorder).

Recommended or required literature:

BAUMRUKOVÁ, I.: English in Urgent Care Medicine 1, Tigris, 2015, 595 p.
BAUMRUKOVÁ, I.: English in Urgent Care Medicine 2, Tigris, 2015, 541 p.
CITA, S.: English for Nursing and Paramedical Professions, Praha, Karolinum, 2012, 193 p.
HUDDLESTON, R. a kol: The Cambridge Grammar of the English Language, New York, Cambridge University Press, 2014, 1842 p.
LITVA, V., ANDRASI, I., HLINKOVÁ, S.: English for Paramedics Students, FZ KU Ružomberok, 2017, material from teacher.
<https://www.itriagehealth.com/>

Language of instruction:

Slovak Language
Czech Language

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 109

A	B	C	D	E	FX
85.32	8.26	1.83	3.67	0.92	0.0

Name of lecturer(s): PaedDr. Martin Pinkoš

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok					
Faculty: Faculty of Health					
Course code: KUZS/54R2004W/22		Course title: Epidemiology			
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture Recommended study range: hours weekly: 3 hours per semester: 36 Teaching method: on-site					
Credits: 3		Working load: 75 hours			
Recommended semester/trimester: 1.					
Level of study: I.					
Prerequisites:					
Requirements for passing the course:					
Learning outcomes of the course:					
Course contents:					
Recommended or required literature:					
Language of instruction:					
Notes:					
Course evaluation: Assessed students in total: 137					
A	B	C	D	E	FX
24.82	25.55	29.2	8.76	8.76	2.92
Name of lecturer(s): doc. RNDr. Soňa Hlinková, PhD., MUDr. Jozef Ficik, MPH					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KVEZ/54Z2004W/23	Course title: Exercises in Spirituality - Spirituality of Good
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Active participation of the student during the spirituality program, participating in discussions, working in groups, participating in cultural, spiritual formation and volunteer activities. The final assessment of the subject corresponds to the verbal assessment: Passed/Not passed. Credit is awarded to a student who obtained a minimum of 60 out of 100% from the subject for fulfilling the specified conditions.	
Learning outcomes of the course: <ul style="list-style-type: none"> • Knowledge: The student has knowledge about distinguishing between sin and virtue in human behavior and actions. • Skills: The student can distinguish between good and evil in human behavior and actions. • Competencies: The student is able to experience the Christian faith more personally through a truer distinction between good and evil and through a more concrete motivation to do good in the life of an adult Christian. 	
Course contents: Good and evil, sin and virtue. Good as an answer to evil. Virtues in the life of a Christian. "Modern sins" and "modern virtues". Sacramental Reconciliation.	
Recommended or required literature: <ol style="list-style-type: none"> 1. Encyklika Jána Pavla II. EVANGELIUM VITAE o hodnote a nenarušiteľnosti ľudského života. 1995. Trnava: Spolok sv. Vojtecha, 1995, 195 s. ISBN: 80-7162-097-1. 2. Encyklika Jána Pavla II. VERITATIS SPLENDOR o základných otázkach cirkevnej nauky o mravnosti. 1994. Trnava: Spolok sv. Vojtecha, 1994, 180 s. ISBN 80-7162-057-2. 3. YOUCAT Katechizmus katolíckej cirkvi pre mladých. 2011. Bratislava: Karmelitánske nakladateľstvo, 2011, 301 s. ISBN 978-80-89231-99-7. 	
Language of instruction: Slovak language	
Notes: One study group consists of a maximum of 100 students, so that the students can be divided into small groups with the number of 10 members for the purpose of effective communication.	

Course evaluation: Assessed students in total: 131	
ABSOL	NEABS
100.0	0.0
Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, PaedDr. Martin Pinkoš	
Last modification: 06.09.2023	
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.	

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KVEZ/54Z2001W/23	Course title: Exercises in Spirituality - Spirituality of Truth
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Active participation of the student during the spirituality program, participating in discussions, working in groups, participating in cultural, spiritual formation and volunteer activities. The final assessment of the subject corresponds to the verbal assessment: Passed/Not passed. Credit is awarded to a student who obtained a minimum of 60 out of 100% from the subject for fulfilling the specified conditions.	
Learning outcomes of the course: <ul style="list-style-type: none"> • Knowledge: The student has knowledge about the true meaning of life and human identity. • Skills: The student can identify the true meaning of life and characterize sin and its consequences. • Competencies: The student is ready to transform the knowledge of the meaning of life into bearing witness to the truth. 	
Course contents: What it is about - the meaning of life. Human identity. God's love as the reason for creation and the principle of new life. Knowledge and consequences of sin. Jesus Christ as the way, the truth and the life. The importance of bearing witness to the truth.	
Recommended or required literature: <ol style="list-style-type: none"> 1. Encyklika pápeža Benedikta XVI. CARITAS IN VERITATE. 2009. Trnava: Spolok sv. Vojtecha, 2009, 118 s. ISBN 978-80-7162-786-9. 2. Posynodálna apoštolská exhortácia Svätého Otca Františka CHRISTUS VIVIT mladým a celému Božiemu ľudu. 2019. Trnava: Spolok sv. Vojtecha, 2019, 125 s. ISBN 978-80-8161-368-5. 3. ŠPIDLÍK, T. 2000. Pramene svetla: príručka kresťanskej dokonalosti. Trnava: Spolok sv. Vojtecha, 2000, 558 s. ISBN 80-7162-323-7. 4. YOUCAT Katechizmus katolíckej cirkvi pre mladých. 2011. Bratislava: Karmelitánske nakladateľstvo, 2011, 301 s. ISBN 978-80-89231-99-7. 	
Language of instruction: Slovak	

Notes:

One study group consists of a maximum of 100 students, so that the students can be divided into small groups with the number of 10 members for the purpose of effective communication.

Course evaluation:

Assessed students in total: 139

ABSOL	NEABS
99.28	0.72

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, PaedDr. Martin Pinkoš

Last modification: 06.09.2023

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2018W/22	Course title: First Aid
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 4 hours per semester: 48 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: CP- Conditions for passing the course EN During the semester: Within the controlled self-study, the elaboration of the semester work, its elaboration and submission of the evaluation makes up 10% of the final evaluation. At the final oral exam, the student can get max. 60 points. There is an obligation to prepare a seminar paper and successfully pass a written test and a practical exam from a model situation. Final evaluation: The final evaluation will be based on the total number of points obtained from the examination and the oral exam.	
Learning outcomes of the course: LV - Learning outcomes EN Objective of the course - aims of the course unit: To analyze the system, organization, legal aspects of first aid, to know the general principles of first aid and to develop professional knowledge, skills of students in the field of study and the use of modern methods of work in this area. Practical skills: master procedures, first aid algorithm in emergencies and emergencies. Also know the legal aspects, system and organization of first aid.	
Course contents: CC -Course content EN 1. Introduction to the subject, general principles of first aid. 2. System, organization, legal aspects and general principles of first aid. 3. Evaluation of a person's health. 4. Disorders of consciousness. 5. Urgent cardiopulmonary resuscitation (KPCR). 6. Foreign airway obstruction. 7. Selected emergencies. 8. Bleeding. 9. Shock. 10. Fractures. 11. Acute conditions caused by physical and chemical influences. 12. Electric shock. 13. First aid in emergency situations. 14. Poisoning (intoxication)	

Recommended or required literature:

RL -Recommended literature

1. Bydžovský J. Predlekářska první pomoc. Praha : Grada Publishing, 2011. 2. Kelnarová Jarmila a kol. První pomoc I. Praha : Grada, 2012. 3. Kelnarová Jarmila a kol. První pomoc II. Praha : Grada, 2013. 4. Lejsek Jan a kol. První pomoc. Praha : Karolinum, 2013. 5. Pištejová M., Kraus D. Prvá pomoc v praxi I. Prešov : Rokus, 2017.

Language of instruction:

LK -Language, knowledge of which is necessary to complete the course

Slovak language or Czech language.

Notes:

NT -Notes

EN

The course is taught only in the summer semester and evaluated only in the respective examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 129

A	B	C	D	E	FX
93.8	5.43	0.78	0.0	0.0	0.0

Name of lecturer(s): doc. MUDr. Milan Minarik, PhD., Ing. Bc. Michal Sekerák, MPH**Last modification:** 03.02.2022**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok					
Faculty: Faculty of Health					
Course code: KUZS/54R2006W/22		Course title: Fitness Training 1			
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 2 hours per semester: 24 Teaching method: on-site					
Credits: 2		Working load: 50 hours			
Recommended semester/trimester: 1.					
Level of study: I.					
Prerequisites:					
Requirements for passing the course: active participation in exercises					
Learning outcomes of the course: Acquisition of theoretical and practical starting points for the development of individual motor skills, practical mastery of basic (typical) methods and forms of exercise in recreational (extracurricular) physical and sports education. To teach them to compile programs provided that they know the fitness skills and diagnose them. After completing the course, the student should be able to compile a simple fitness program not only for themselves.					
Course contents: Theoretical background - focus, meaning, forms. Systematics of fitness, hybrid and coordination skills. Endurance skills, aerobic and anaerobic endurance. Strength skills. Speed skills. Development of individual motor skills.					
Recommended or required literature: Sedláček, J. a kol., Kondičná atletická príprava a rekreačná atletika, Bratislava: Univerzita Komenského, 2007 Sedláček, J. – Lednický, A.: Kondičná atletická príprava – vybrané kapitoly, Bratislava, 2010 Šimonek, J. – Zrubák, A.: Základy kondičnej prípravy v športe. Bratislava, 2003.					
Language of instruction: Slovak language or English language.					
Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.					
Course evaluation: Assessed students in total: 138					
A	B	C	D	E	FX
81.16	10.87	2.17	0.72	0.72	4.35

Name of lecturer(s): Mgr. Ľuboslav Šiška, PhD., PaedDr. Andrej Hubinák, PhD., Mgr. Mária Hulinková, PhD.

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2011Y/22	Course title: German Language 1
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During semester: At the beginning of every seminar a short test from the previous lesson will take place. If a student will get A from all these tests (except one other mark than A (not FX) or one absence) the seminar will be automatically registered in the university system. The students, who will not meet this condition, must pass an oral exam in the exam period. The participation in the final exam is conditioned by a maximum of two absences during the semester or two FX from the tests. The course evaluation: A – 100 %-93 % B – 92 %-85 % C – 84 %-77 % D – 76 %-69 % E – 68 %-60 % FX – 59 %- 0 %	
Learning outcomes of the course: The aim of the subject: To head the students towards individual work with the german text, to command the translation of a german medical text, to develop the students communication skills. Theoretical knowledge: The student is able to use grammar correctly during the conversation on the medical topic. Practical knowledge: The student can actively and promptly communicate in the hospital.	
Course contents: 1. First day in the hospital job. Expectations and wishes. 2. Hierarchy in the hospital. Introducing to the colleagues. 3. The hospital, the department. 4. In the hospital, in the lab. 5. Graduation of the adjectives. 6. Verbs with additions. Personal pronouns.	

7. Ordinal numbers.
8. Requests and Imperative.
9. Respiratory system.
10. The blood.
11. From healing potions to transfusions.
12. Separable verbs. Reflexive pronouns. Verbs with accusative and dative.

Recommended or required literature:

Bibliography:

1. FIRNHABER-SENSEN U., RODI M.: Deutsch im Krankenhaus, München, Klett-Langenscheidt, GmbH, 2013, 128 s.
2. DŽUGANOVÁ B., BARNAU, A.: Nemčina pre lekárov a pracovníkov v zdravotníctve. Eastone books, Bratislava, 2017.
3. LI JUN, HUA LU YAN a kol.: Učebnice němčiny pro práci ve zdravotnictví, Brno, Edika, 2013
4. DUSILOVÁ, D.: Sprechen Sie Deutsch?, 1.diel, Polyglot, 2012

Language of instruction:

German language, Slovak language

Notes:

This subject is taught during the winter semester and is evaluated in the exam period of the winter semester.

Course evaluation:

Assessed students in total: 2

A	B	C	D	E	FX
50.0	50.0	0.0	0.0	0.0	0.0

Name of lecturer(s): PaedDr. Martin Pinkoš

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2022Y/22	Course title: German Language 2
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites: KUZS/54R2011Y/22	
Requirements for passing the course: Conditional subject: German language 1 During semester: At the beginning of every seminar a short test from the previous lesson will take place. If a student will get A from all these tests (except one other mark than A (not FX) or one absence) the seminar will be automatically registered in the university system. The students, who will not meet this condition, must pass an oral exam in the exam period. The participation in the final exam is conditioned by a maximum of two absences during the semester or two FX from the tests. Course evaluation: A – 100 %-93 % B – 92 %-85 % C – 84 %-77 % D – 76 %-69 % E – 68 %-60 % FX – 59 %- 0 %	
Learning outcomes of the course: The aim of the course: To head the students towards individual work with the german text, to command the translation of a german medical text, to develop the students communication skills. Theoretical knowledge: The student is able to use grammar correctly during the conversation on the medical topic. Practical knowledge: The student can actively and promptly communicate in the hospital.	
Course contents: 1. The Body parts. 2. Treatment interview and methods. 3. Health problems. The pain interview. 4. Grammar: subordinate clauses. 5. The digestive system. 6. Medicine history: Wilhelm Conrad Röntgen. 7. Medical history: Jan Jesenius. 8. The cells and the tissues. 9. Grammar: modal verbs. 10. Measurement. The numbers 1-1000. Use of measuring instruments. 11. Documentation in the hospital. 12. Abdominal organs.	

Recommended or required literature:

Bibliography:

1. Firnhaber-Sensen U., Rodi M.: Deutsch im Krankenhaus , München, Klett-Langenscheidt, GmbH, 2013
2. Li Jun, Hua Lu Yan et al.: Das Lehrbuch für die Arbeit im Krankenhaus, Brno, Edika, 2013, 128 p.
3. Džuganová B., Gareiß K.: Deutsch für Mediziner, Martin, Osveta, 2003
4. Dusilová, D.: Sprechen Sie Deutsch?, 1.diel, Polyglot, 2012

Language of instruction:

German language, Slovak language

Notes:

This subject is taught during the summer semester and is evaluated during the exam period of the summer semester.

Course evaluation:

Assessed students in total: 2

A	B	C	D	E	FX
50.0	0.0	50.0	0.0	0.0	0.0

Name of lecturer(s): PaedDr. Martin Pinkoš**Last modification:** 03.02.2022**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2032Y/22	Course title: German Language 3
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites: KUZS/54R2022Y/22	
Requirements for passing the course: During the term: Active participation in lessons. During the lessons the students are expected to show the knowledge about current medical issues in foreign language as acquired from media or Internet and compare such information with topics specified in the brief subject curriculum. Students pay attention to grammar reference and write grammar exercises as required by the teacher. Subject marking: A – 100 %-93 % B – 92 %-85 % C – 84 %-77 % D – 76 %-69 % E – 68 %-60 % FX – 59 %- 0 %	
Learning outcomes of the course: Aim of the subject: The aim of the subject is to guide students to acquiring the capability to understand the text in foreign language without outside help, to master the rules of correct translating and to gain communicative skills. Students are to learn professional vocabulary and apply communicative skills when talking about topics determined in brief subject curriculum. Theoretical achievement: Students are able to apply grammar references specified in brief subject curriculum correctly when talking about individual topics. Practical achievement: Students are able to communicate actively in foreign language with the patient and are able to distinguish the differences between local environment and the environment abroad.	
Course contents: 1. Grammatik: Zeitangaben und Ortsangaben. 2. Aufnahme- und Anamnesegespräch 3. Hilfsmittel benennen. Pflegeanamnese erheben. 4. Krankengeschichte erfragen. Über aufgenommene Patienten berichten. 5. Erkrankungen. Fachwortschatz deutsch benennen. 6. Grammatik: Perfekt und Satzklammer. 7.1. Grammatik: Zeitangaben und Ortsangaben. 2. Aufnahme- und Anamnesegespräch	

3. Hilfsmittelbenennen. Pflegeanamneseerheben.
4. Krankengeschichteerfragen. ÜberaufgenommenePatientenberichten.
5. Erkrankungen. Fachwortschatzdeutschbenennen.
6. Grammatik: Perfekt undSatzklammer.
1. Grammatik: ZeitangabenundOrtsangaben.
2. Aufnahme-und Anamnesegespräch
3. Hilfsmittelbenennen. Pflegeanamneseerheben.
4. Krankengeschichteerfragen. ÜberaufgenommenePatientenberichten.
5. Erkrankungen. Fachwortschatzdeutschbenennen.
6. Grammatik: Perfekt undSatzklammer.
7. Die Atmungsorgane. Fachwortschatzdeutschbenennen.
8. Die Vorbereitung zur Operation. Narkoseprotokolllesen.
9. Die Operation. Instrumentebenennen. ÜberdieOperationinformieren.
10. Die ÜbergabeausdemOperationssaal.11. Die erste postoperative Visite. Patientengesprächeführen.
12. Grammatik: Zeitangaben mit temporalen Präpositionen.

Recommended or required literature:

1. Firnhaber-Sensen U., Rodi M.: Deutsch im Krankenhaus , München, Klett-Langenscheidt, GmbH, 2013
2. Dusilová, D.: SprechenSieDeutsch?, 1.diel, Polyglot, 2012
3. Dusilová, D.: SprechenSieDeutsch?, 2.diel, Polyglot, 2012
4. Autorský kolektív pracovníkov: Nemecko-slovenský, slovensko-nemecký veľký slovník, Bratislava, Lingea, 2008
5. Džuganová B., Gareiß K.: DeutschfürMediziner, Martin, Osveta, 2003

Language of instruction:

Slovak language, German Language

Notes:

The subject is being taught only in the winter term and tested in determined examination period of the winter term of academic year.

Course evaluation:

Assessed students in total: 3

A	B	C	D	E	FX
66.67	33.33	0.0	0.0	0.0	0.0

Name of lecturer(s): PaedDr. Martin Pinkoš

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2043Y/22	Course title: German Language 4
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites: KUZS/54R2032Y/22	
Requirements for passing the course: During the term: Active participation in lessons. During the lessons the students are expected to show the knowledge about current medical issues in foreign language as acquired from media or Internet and compare such information with topics specified in the brief subject curriculum. Students pay attention to grammar reference and write grammar exercises as required by the teacher. Subject marking: A – 100 %-93 % B – 92 %-85 % C – 84 %-77 % D – 76 %-69 % E – 68 %-60 % FX – 59 %- 0 %	
Learning outcomes of the course: Aim of the subject: The aim of the subject is to guide students to acquiring the capability to understand the text in foreign language without outside help, to master the rules of correct translating and to gain communicative skills. Students are to learn professional vocabulary and apply communicative skills when talking about topics determined in brief subject curriculum. Theoretical achievement: Students are able to apply grammar references specified in brief subject curriculum correctly when talking about individual topics. Practical achievement: Students are able to communicate actively in foreign language with the patient and are able to distinguish the differences between local environment and the environment abroad.	
Course contents: 1. Das Kreislaufsystem. Organe und Gefäße benennen. 2. Grammatik: Passiv 3. Die Übergabe. Pflegeberichte verfassen. Wunde beschreiben. Wundversorgung. 4. Anordnung von Medikamenten. 5. Grammatik: Nebensätze mit „weil“ und „wenn“. 6. Knochenbrüche. Ein Unfall. 7. Grammatik: Indirekte Fragesätze. 8. Wunddokumentation am Computer.	

9. Die Wirbelsäule. Wortschatz erarbeiten.
10. Medizingeschichte: Louis Pasteur.
11. Allgemeine Infektionslehre
12. Grammatik: Vergleiche: Adjektive im Komparativ

Recommended or required literature:

1. Firnhaber-Sensen U., Rodi M.: Deutsch im Krankenhaus , München, Klett-Langenscheidt, GmbH, 2013
2. Li Jun, Hua Lu Yan a kol.: Učebnice němčiny pro práci ve zdravotnictví, Brno, Edika, 2013
3. Džuganová B., Gareiß K.: Deutsch für Mediziner, Martin, Osveta, 2003
4. Dusilová, D.: Sprechen Sie Deutsch?, 1. díl, Polyglot, 2012
5. Dusilová, D.: Sprechen Sie Deutsch?, 2. díl, Polyglot, 2012
6. Autorský kolektív pracovníkov: Nemecko-slovenský, slovensko-nemecký veľký slovník, Bratislava, Lingea, 2008

Language of instruction:

Slovak language, German language

Notes:

The subject is being taught only in the summer term and tested in determined examination period of the summer term of academic year.

Course evaluation:

Assessed students in total: 3

A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0

Name of lecturer(s): PaedDr. Martin Pinkoš

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2033W/22	Course title: Gynaecology and Obstetrics
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 2 hours per semester: 24 / 24 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During the term: continuous assessment, active participation in lectures. Active participation in practical classes is required for the final exam. Final assessment : written exam. Calculation of final grades: A – 100 % - 93 % B – 92 % - 85 % C – 84 % - 77 % D – 76 % - 69 % E – 68 % - 60 % FX – 59 % - 0 %	
Learning outcomes of the course: Course description Course learning outcomes: to acquire comprehensive knowledge in gynaecology and obstetrics. To recognise obstetric emergencies and to initiate nursing management. Prevention of oncological diseases. Role of mothers and family for healthy society. Theoretical knowledge: Students will apply knowledge of obstetrics and gynaecology to be able to recognise acute conditions in prehospital care, to diagnose them correctly, to suggest therapy and care and to provide urgent medical attention in particular medical speciality. Practical skills: To apply knowledge in urgent, primary, secondary and follow-up medical care.	
Course contents: Description of the specialty, historical development, interdisciplinarity. 2. Anatomy of human female reproductive tract. 3. Human female reproductive tract development and disorders. Physiology of women. Life stages of women. 4. Examination methods in gynaecology and obstetrics. 5. Female sexual life and sexual disorders. Planned parenthood. 6. Menstrual disorders. Inflammatory diseases of female reproductive tract. 7. Endometriosis. Tumors in female reproductive organs and breasts. 8. Obstetric emergencies. 9. Full-term gestation. Physiological labour. Post-partum period. 10. Gestational duration disorders. High-risk pregnancy. Risks of fetal in-utero harm as well as birth defects. 11. Abnormal labour and pathology of post-partum period. 12. Acute conditions in gestation, labour and post-partum period.	
Recommended or required literature: ROZTOČIL, A. et al.: Moderní gynekologie. Praha: Grada Publishing, 2011 ROZTOČIL, A. et al. Moderní porodnictví. Praha: Grada Publishing, 2008	
Language of instruction: Slovak or Czech language	

Notes:

This course is run exclusively in summer term and is evaluated in the exam period of that particular academic year.

Course evaluation:

Assessed students in total: 112

A	B	C	D	E	FX
16.07	21.43	30.36	17.86	14.29	0.0

Name of lecturer(s): PhDr. Bc. Eva Moraučíková, PhD., MPH, MUDr. Mgr. Ján Hruška, PhD., MPH, MHA

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2030W/22	Course title: Internal Medicine
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 4 / 1 hours per semester: 48 / 12 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites: KUZS/54R2012W/22	
Requirements for passing the course: During the semester: Attendance at lectures. The final evaluation: Oral exam. Subject evaluation: A – 100%-91% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Objective of the course: The internal medicine is an extensive clinical discipline. Knowledge from preclinical disciplines is integrally used in etiopathogenesis, diagnosis, treatment and prevention of individual diseases. The aim is for students to gain knowledge about the clinical picture (subjective and objective symptoms) of internal diseases. Students also need to have knowledge of modern diagnostics and treatment of internal diseases. Then they apply this knowledge in their practice adequately. Theoretical knowledge: Within internal medicine, individual subdivisions are distinguished (cardiology, angiology, pneumology, nephrology, gastroenterology, endocrinology, rheumatology, immunology, hematology). Based on the symptoms of individual diseases, the student recognizes and distinguishes these diseases. He lists the main subjective difficulties and objective symptoms of the disease. The student applies this knowledge in their practice. Before application of adequate therapy, the correct diagnosis must be stated. For paramedics, the early diagnosis statement is important. Based on the expert knowledge decides about the urgent healthcare, checks the vital functions. He has to determines the procedure in acute conditions, poisoning. The knowledge has to be widen from the field of urgent medicine. Practical skills: The student applies the knowledge of particular diseases in practice, mainly when interprets ananmesis data and objective finding on time. After evaluation of acute conditions, the student must be able to decide the following procedure. He widens his knowledge from the field of urgent medicine. He shows his expert knowledge, personal experience and intuition as well.	
Course contents: 1. The characteristics of the subject. The diseases of heart and vascular system. 2. Diseases of blood and hematopoietic organs. 3. Diseases of circulatory system. 4. Diseases of the respiratory system. 5. Diseases of the endocrine system. 6. Diseases of metabolism and nutrition. Acid-base imbalance. 7. Kidney and urinary tracts diseases. 8. Diseases of the gastrointestinal system, liver, gallbladder, and pancreas . 9. The diseases of locomotor apparatus. 10. The basics of reumatology and imunology. 11. Acute conditions in internal medicine. 12. Oncology issues in the field of internal medicine.	

Recommended or required literature:

1. ČEŠKA R. et al.: INTERNA. Praha: Triton, 2010.
2. LACKO et al.: Základy klinickej propedeutiky, rádiológie a nukleárnej medicíny pre nelekárske zdravotnícke odbory. Martin. Osveta. 2019.
3. LACKO A. et al.: Vnútorné lekárstvo a ošetrovateľská starostlivosť vo vnútornom lekárstve. Martin: vyd. Osveta, 2018.

Language of instruction:

Slovak language

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year

Course evaluation:

Assessed students in total: 115

A	B	C	D	E	FX
5.22	7.83	18.26	20.0	40.0	8.7

Name of lecturer(s): prof. MUDr. Anton Lacko, CSc., MUDr. Antonín Hruboň, PhD.

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2007W/22	Course title: Latin Language
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During the semester: Individual or group work on exercises with active solution of model situations and practical mastery of the subject. Final assessment: The written form of the final exam includes the curriculum of the whole semester, in which students demonstrate the level of their knowledge. At the written final exam, the student can get max. 60 points. 100% active participation in the exercises is required for admission to the exam, any non-participation must be justified or replaced at another date of the exercise in parallel disciplines. Course evaluation: A - 100% -93% B - 92% -85% C - 84% -77% D - 76% -69% E - 68% -60% FX - 59% - 0%	
Learning outcomes of the course: Objective of the course - aims of the course unit: To obtain a minimum of Latin grammar, which is a condition for mastering the basics of Latin medical terminology. Theoretical knowledge:: The student has to demonstrate knowledge of medical terminology in Latin-Greek form with an inner understanding of its structure. Practical skills: The student should be able to use the acquired knowledge in practical professional activities, in the study of professional literature and in parallel professional subjects, to use medical terminology accurately and linguistically in oral and written form.	
Course contents: 1. Historical and linguistic introduction to medical Latin, Latin and Greek in medical nomenclature, structure of multiword terms. 2. Latin pronunciation, basic grammatical terms, practice of correct reading of Latin medical terms. 3. Declension of nouns with a focus on the frequency of the genitive, the accusative and the ablative. 4. Adjectives, their declension and connection with nouns, use of degrees.	

5. Adverbs, use of prepositions in medical terminology and their connection with nouns in accusative and ablative.
6. Numerals, their use and declension, expression of quantity.
7. Verbs in pharmaceutical terminology, recipe.
8. Latin and Greek prefixes and suffixes, terms with Latin and Greek basis.
9. Greek equivalents of basic anatomical terms and terminology used in the clinic. Advocacy of suffixes.
10. Compound words. Principles of composite formation. Simple diagnoses.
11. Latin sentences still valid today. Active work with terminological expressions.
12. Practical exercises and tasks, creating multiword terms and automation of common connections.
13. Systematization and verification of acquired knowledge.

Recommended or required literature:

1. Šimon, F. - Bujalková, M.: Latinský jazyk pre medikov. Košice, 2012. 169 s. ISBN 9788089546060.
2. Kábrt, J.: Latinský jazyk. Martin: Osveta, 2010. 156 s. ISBN 9788080633530.
3. Šimon, F.: Latinská lekárska terminológia. Martin: Osveta, 1990, 184 s. ISBN 8021702974.

Language of instruction:

Slovak language, Latin language

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 139

A	B	C	D	E	FX
41.01	26.62	9.35	12.95	3.6	6.47

Name of lecturer(s): PhDr. Mária Macková

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2047W/22	Course title: Law and Legislation
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During the semester active participation in the lecture. During the lectures, students also analyze the assigned topics. Final assessment: In the final oral exam, the student can get a maximum of 60 points - answers 3 questions from three topics - general health legislation, competencies of a health worker and a case study. Course evaluation: A - 100% - 93% B - 92% - 85% C - 84% - 77% D - 76% - 69% E - 68% - 60% FX - 59% - 0%	
Learning outcomes of the course: Objective of the course - aims of the course unit: Importance of social and health legislation, rights and their function in society, their application to health care, acquisition of basic concepts, rights and competences, legal responsibility of a health worker and definition of his competence. Theoretical knowledge: To teach students to understand the basics of law, social and health legislation, legal aspects and competencies of health professionals. The student will gain comprehensive knowledge and skills in accessing case studies from clinical practice.	
Course contents: Basic legal concepts. Fundamental human rights and freedoms. Labor law of health professionals. Labor liability for damage. Criminal liability for damage. Legal aspects of health care. Legal status of a healthcare professional. Health standards, patients' rights and medical records. Protection and promotion of public health. Health and safety at work. Administrative procedure - legal aspects. Case clinical studies.	
Recommended or required literature: TÓTH, K. et al. Právo a zdravotníctvo, Herba, Bratislava, 2008. 388 p. TÓTH, K. et al. Law and Health Care II, Herba, Bratislava, 2013. 432 p. VLČEK, R., HRUBEŠOVÁ, Z. Health law. Epos. Bratislava.2007 VONDRÁČEK L. Legal regulations not only for head, head, station nurses. City. Prague 2005,100 p.	
Language of instruction: Slovak or language	
Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.	

Course evaluation: Assessed students in total: 115					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
Name of lecturer(s): doc. MUDr. Ivan Solovič, CSc.					
Last modification: 26.08.2025					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2035W/22	Course title: Neurology
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 4 / 1 hours per semester: 48 / 12 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Conditions for passing the course: During the semester, active participation in lectures and seminars, passing a continuous written test, preparation of a presentation on a given topic. During the semester there will be a written examination, for which it is possible to obtain a maximum of 13 points. To participate in the final exam, it is necessary to obtain at least 6 points from the examinations. At the final exam, the student can get max. 13 points. The final evaluation will be based on the points obtained from the examination during the semester and from the final test. Final evaluation: the final evaluation will be based on the total number of points obtained from the examinations and the final test.	
Learning outcomes of the course: Learning outcomes: Objective of the course - aims of the course unit: The student should master the basics of anatomy, physiology and pathological physiology of the nervous system, basics of syndromology, semiology, special neurology, diagnostics and therapy of neurological diseases. Theoretical knowledge: on the basis of theoretical knowledge, the student identifies disease states and sudden health disorders, analyzes the symptoms, synthesizes a diagnostic conclusion and evaluates the need for intervention and treatment, can explain the nature and cause of the disease and logical therapeutic approach to individual disease states in neurology. Practical skills: Controls the symptoms and therapeutic approach in prehospital health care for neurological diseases. It controls the directive of the Ministry of Health of the Slovak Republic on the NCMP.	
Course contents: Course contents: 1. Basics of anatomy, physiology and pathological physiology of the nervous system 2. Neurological propaedeutics. Neurological syndromology. 3. Congenital and developmental neurological diseases 4. Vascular diseases of the brain and spinal cord. Inflammatory diseases of the brain 5. Headaches 6. Seizure diseases of the brain	

<p>7. CNS and spinal cord injuries. Diseases of the cerebral nerves</p> <p>8. Diseases of the peripheral nervous system</p> <p>9. Vertebrogenic diseases</p> <p>10. Neurodegenerative and demyelinating diseases. Neuromuscular diseases</p> <p>11. Tumors of the CNS and spinal cord. Pain and headaches</p> <p>12. Metabolic, systemic and toxic damage to the nervous system</p>					
<p>Recommended or required literature:</p> <p>Recommended literature:</p> <p>Madarász, Š., Andráši. I., Šanta. M., Neurology for Health Professions, Tribun EU s.r.o., Brno, First Edition, ISBN 978-80-263-1425-7</p> <p>Mumenthaler, M., Bassetti, C., Neurological differential diagnostics. Prague, City 2008</p> <p>Lectures in neurology</p>					
<p>Language of instruction:</p> <p>36/5000</p> <p>Slovak language</p>					
<p>Notes:</p> <p>Notes:</p> <p>The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.</p>					
<p>Course evaluation:</p> <p>Assessed students in total: 116</p>					
A	B	C	D	E	FX
25.0	2.59	8.62	14.66	45.69	3.45
<p>Name of lecturer(s): doc. MUDr. Marián Šanta, CSc., MUDr. Štefan Madarász, PhD.</p>					
<p>Last modification: 03.02.2022</p>					
<p>Supervisor(s):</p> <p>Person responsible for the delivery, development and quality of the study programme:</p> <p>doc. MUDr. Milan Minarik, PhD.</p>					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2008W/22	Course title: Nursing Techniques 1
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 5 hours per semester: 60 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: <p>Active participation in exercises. The student takes control tests during the semester. The test will focus on the issues that were covered in the last exercises. To successfully pass the control test, it is necessary for the student to achieve a minimum of 6 points from a maximum of 10 points. The result of the control test will be announced to the student after the end of the exercises or one day before the start of next exercises. If the student gets less than 6 points, he/she is evaluated Fx. If a student obtains two times Fx from control tests during the semester, he/she will not be admitted to the final exam due to the theoretical failure of the subject. The results of control tests will be part of the final overall evaluation of the student.</p> <p>During the semester, each student prepares a semester work on a predetermined topic, which he is obliged to submit according to the instructions of the teacher.</p> <p>After the end of the semester and the fulfillment of all conditions given by the teacher, each student passes a final written examination, which is aimed to verify the theoretical knowledge acquired during the semester. To successfully complete the final written examination, the student must obtain at least 80% of points.</p> <p>The overall evaluation of the student will consist of the evaluation of control tests, evaluation of the semester work, evaluation of the final written examination and evaluation of the activity in the exercises. The teacher has the right to change the written examination to oral, which he must inform in advance. The student has the right to correction term in accordance with the study regulations of Faculty of Health, CU Ružomberok.</p>	
Learning outcomes of the course: <p>The aim of the course is to control and demonstrate:</p> <ul style="list-style-type: none"> # techniques and procedures of nursing care in emergency health care, # search for new techniques and procedures based on Evidence Based Medicine that can be used to improve the provision of emergency health care, # principles of handling the dressing material, # care of the patient's bed, # hygienic care and patient care from the point of view of mobility / immobility, # monitoring, measuring, evaluating and recording vital signs, # administration of drugs by enteral and parteral route, # technique of collection of biological material - blood, urine, stool, sputum, swabs, 	

methods of securing peripheral venous access, including securing the external jugular vein,
probing, catheterization and gastric lavage.

Course contents:

1. Dressing technique. Bed care.
2. Disinfection, sterilization and care of devices, hygienic care, mobility and immobility.
3. Monitoring, measuring, evaluating and recording vital signs.
4. Methods of drug administration, administration of drugs by enteral route.
5. Parenteral drug delivery - i.d., s.c., i.m.
6. Parenteral drug delivery - i.v.
7. Provision of peripheral venous access. Securing the external jugular vein.
8. Preparation and application of infusions, transfusions and parenteral nutrition.
9. Methodology and technique of collection of biological material - blood.
10. Methodology and technique of collection of biological material - urine, sputum, stool, swabs.
11. Emptying the patient, coiling.
12. Diet, probing and gastric lavage.

Recommended or required literature:

ŠICHMAN, M: Farmakológia v prednemocničnej urgentnej medicíne, Equilibria, Košice, 2022
KRIŠKOVÁ, A. a kol.: Ošetrovateľské techniky, Osveta, Martin, 2006
KOLEKTÍV AUTOROV: Základné ošetrovateľské techniky 1., Košice 2006
KRIŠKOVÁ, A. a kol.: Ošetrovateľské techniky, Osveta, Martin, 2001
KOZIEROVÁ, B., ERBOVÁ, G., OLIVIERIOVÁ, R.: Ošetrovateľstvo 2. Martin, Osveta 1995
NAEMT.: Prehospital Trauma Life Support, 8th edition, Jones & Bartlett Learning; 8 edition
NAEMT.: Prehospital Trauma Life Support, Military edition, Jones & Bartlett Learning; 8 edition
AAOS.: Critical Care Transport, Jones & Bartlett Pub; 2nd ed. Edition

Language of instruction:

Slovak, Czech

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 134

A	B	C	D	E	FX
29.85	38.06	22.39	5.97	2.99	0.75

Name of lecturer(s): PhDr. Bc. Marek Šichman, PhD., MPH, MBA, DPH, DSc., Ing. Bc. Michal Sekerák, MPH, Mgr. Bc. Dagmar Tomčanyová

Last modification: 26.08.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2015W/22	Course title: Nursing Techniques 2
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 5 hours per semester: 60 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites: KUZS/54R2008W/22	
Requirements for passing the course: <p>Active participation in exercises. The student takes control tests during the semester. The test will focus on the issues that were covered in the last exercises. To successfully pass the control test, it is necessary for the student to achieve a minimum of 6 points from a maximum of 10 points. The result of the control test will be announced to the student after the end of the exercises or one day before the start of next exercises. If the student gets less than 6 points, he/she is evaluated Fx. If a student obtains two times Fx from control tests during the semester, he/she will not be admitted to the final exam due to the theoretical failure of the subject. The results of control tests will be part of the final overall evaluation of the student.</p> <p>During the semester, each student prepares a semester work on a predetermined topic, which he is obliged to submit according to the instructions of the teacher.</p> <p>After the end of the semester and the fulfillment of all conditions given by the teacher, each student passes a final written examination, which is aimed to verify the theoretical knowledge acquired during the semester. To successfully complete the final written examination, the student must obtain at least 80% of points.</p> <p>The overall evaluation of the student will consist of the evaluation of control tests, evaluation of the semester work, evaluation of the final written examination and evaluation of the activity in the exercises. The teacher has the right to change the written examination to oral, which he must inform in advance. The student has the right to correction term in accordance with the study regulations of Faculty of Health, CU Ružomberok.</p>	
Learning outcomes of the course: <p>The aim of the course is to control and demonstrate:</p> <ul style="list-style-type: none"> # rescue techniques, procedures and skills in emergency health care, # search for new techniques and procedures based on Evidence Based Medicine that can be used to improve the provision of emergency health care, # principles of handling the dressing material, treatment of wounds and injuries, # provision of intraosseous entry, sowing of the external jugular vein, urgent puncture of tension pneumothorax with a needle, coniopuncture, coniotomy, thoracotomy - bilateral chest decompression, including assistance to a doctor, pericardiocentesis, including assistance to a doctor, 	

positioning, immobilization techniques in UZS and principles of patient transport, methods of rescuing the injured person from vehicles, methods of immobilization of the spine, methods of treatment and immobilization of limbs, methods of pelvic treatment,
 # effective use of the magnet in patients with ICD,
 # the technique of performing thoracostomy, pericardiocentesis according to the ERC recommendations, including assistance to the doctor in its implementation,
 # effective use of immobilization technique, which is equipped with emergency medical clinics (vacuum mattress, KED, vacuum splints, X-COLLAR, fixing collars, pelvic fixator, stretcher, stair climber, PEDI-MATE),
 # oxygen therapy, RS care, patient aspiration and airway management with available aids, including assistance to the physician
 # operation of medical equipment in the ambulance of the emergency medical service (monitor / defibrillator, perfusor, suction pump, ventilator),
 # listing the documentation of the patient, the use of evaluation scales in the EMS
 # primary and secondary examination of the patient,
 # basic and advanced emergency resuscitation of adults, children and newborns, including postpartum adaptation in accordance with the latest recommendations of the European Resuscitation Council

Course contents:

1. Introduction to the subject of T in EMS, documentation in EMS. Puncture and endoscopic examination methods. Drains and drainage systems. Wound treatment, injuries, dressing techniques.
2. Instrumentation in EMS, its operation and care, external acrdiostimulation.
3. Primary and secondary examination of the affected person, evaluation scales in EMS.
4. Securing and care of secured airways, UPV.
5. Immobilization and transport aids in pre-hospital care, methods of rescuing the injured person from vehicles, methods of immobilization of the spine, methods of treatment and immobilization of limbs, methods of pelvic treatment.
6. Liberation, positioning and removal of the disabled and wounded.
7. Defibrillator defibrillator operation, AED, safety in use.
8. Invasive procedures in prehospital emergency care (coniopuncture, coniotomy, thoracotomy, bilateral thoracic decompression, thoracic decompression of the chest, pericardiocentesis).
9. Basic and advanced emergency resuscitation of adults.
10. Basic and advanced emergency resuscitation of children.
11. Basic and extended emergency resuscitation of newborns and support of their postpartum adaptation, treatment of the newborn and care of the mother.
12. Cessation of circulation in specific situations.

Recommended or required literature:

Odporúčaná literatúra:

1. ERTLOVÁ F., Mucha J. a kolektív: Prednemocniční neodkladná péče, Národní centrum ošetrovateľstvá a nelékařských zdravotníckých oborů v Brně, Brno 2004, ISBN: 80-7013-379-1
 2. KAPOUNOVÁ, G.: Ošetrovateľstvá v intenzívnej péči, Grada, 2007, Praha, ISBN: 978-80-247-1830-9
 3. Kolektív autorov: Sestra a urgentní stavy, Grada, 2009, Praha, ISBN: 978-80-247-2548-2
 4. KRIŠKOVÁ, A. a kol.: Ošetrovateľské techniky, Osveta, Martin, 2006, ISBN 8080632022
 5. NEJEDLÁ, M.: Fyzikální vyšetrení pro sestry, Grada 2006, Praha, ISBN: 80-247-1150-8
 6. PROKOP M. a kolektiv: Resuscitace novorozence, Grada-Avicenum 2003, Praha, ISBN: 80-247-0535-
 7. NANCY, L. C. Emergency Care In The Streets Volume 1, 7th Edition, 2013, USA, ISBN 978-1-4496-4586-1
 8. NANCY, L. C. Emergency Care In The Streets Volume 2, 7th Edition, 2013, USA, ISBN 978-1-4496-4586-1
 9. ERC GUIDELINES 2015, <http://www.cprguidelines.eu/>
 10. MACONOCHE, I. K. et al. 2015. European Resuscitation Council Guidelines for Resuscitation 2015 Section 6. Paediatric life support. In Resuscitation. [online]. 2015 Volume 95, Issue 10. ISSN 0300-9572. [http://www.resuscitationjournal.com/article/S0300-9572\(15\)00350-0/fulltext](http://www.resuscitationjournal.com/article/S0300-9572(15)00350-0/fulltext)
 11. PERKINS, G. D. et al. 2015. European Resuscitation Council Guidelines for Resuscitation 2015 Section 2. Adult basic life support and automated external defibrillation. In Resuscitation. [online]. 2015 Volume 95, Issue 10. ISSN 0300-9572. [http://www.resuscitationjournal.com/article/S0300-9572\(15\)00350-0/fulltext](http://www.resuscitationjournal.com/article/S0300-9572(15)00350-0/fulltext)
 12. SOAR. J. et al. 2015. European Resuscitation Council Guidelines for Resuscitation 2015 Section 3. Adult advanced life support. In Resuscitation. [online]. 2015 Volume 95, Issue 10. ISSN 0300-9572. [http://www.resuscitationjournal.com/article/S0300-9572\(15\)00350-0/fulltext](http://www.resuscitationjournal.com/article/S0300-9572(15)00350-0/fulltext)
 13. WYLLIE, J. et al. 2015. European Resuscitation Council Guidelines for Resuscitation 2015 Section 7. Resuscitation of support of transition of babies at birth. In Resuscitation. [online]. 2015 Volume 95, Issue 10. ISSN 0300-9572. [http://www.resuscitationjournal.com/article/S0300-9572\(15\)00350-0/fulltext](http://www.resuscitationjournal.com/article/S0300-9572(15)00350-0/fulltext)
 14. ZIDEMAN, D. A. et al. 2015. European Resuscitation Council Guidelines for Resuscitation 2015 Section 9. First aid. In Resuscitation. [online]. 2015 Volume 95, Issue 10. ISSN 0300-9572. [http://www.resuscitationjournal.com/article/S0300-9572\(15\)00350-0/fulltext](http://www.resuscitationjournal.com/article/S0300-9572(15)00350-0/fulltext)
 15. PERKINS, G. D. et al. 2018. European Resuscitation Council Guidelines for Resuscitation: 2017 update. In Resuscitation. [online]. 2018 ISSN 0300-9572. [https://www.resuscitationjournal.com/article/S0300-9572\(17\)30776-1/fulltext](https://www.resuscitationjournal.com/article/S0300-9572(17)30776-1/fulltext)
- ŠICHMAN, M.: Farmakológia v prednemocničnej urgentnej medicíne, Equilibrium, Košice, 2022

Language of instruction:

Slovak language or Czech language

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation: Assessed students in total: 130					
A	B	C	D	E	FX
16.15	33.85	28.46	10.0	10.77	0.77
Name of lecturer(s): PhDr. Bc. Marek Šichman, PhD., MPH, MBA, DPH, DSc., Ing. Bc. Michal Sekerák, MPH, Mgr. Bc. Dagmar Tomčanyová					
Last modification: 14.04.2025					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2036W/22	Course title: Paediatrics
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture Recommended study range: hours weekly: 4 hours per semester: 48 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During semester: students will be continuously tested during lectures by the lecturer, students could be evaluated by the maximum of 40 points. As a part of the lecture, students will analyze given topics. Final evaluation: for passing the final exam, students must have 100% attendance on practices and must get at least 60 points in theoretical oral examination.	
Learning outcomes of the course: Main objective: on final examination required for passing the subject a student must have 100% attendance on practices and must get at least 60 points in theoretical oral examination. Theoretical knowledge: to aim students on individual analysis of pathognomic symptoms in selected diseases and sudden changes in health of a child, based on newest scientific knowledge and evidence from all of the theoretical and main clinical medical fields and to diagnostically evaluate gathered information. On the basis of theoretical preparation, to put together adequate therapeutic process and to focus on its practical realization bedside a child patient of every age group in every type of medical facility. To systematically record observations and diagnostic and therapeutic processes. To logically and scientifically interpret chosen approach.	
Course contents: Definition of the medical department (field), history of pediatrics – in a nutshell. Characterization of individual development periods. Psychomotoric development of a child. Children's growth and development and its parametric quantification. Natural nutrition, nutritional supplements and basics of rational healthy nutrition in children and young. Procedures for clinical observation and examination of pediatric patient. Fundamental symptomatology of the most common diseases in child age. Acute respiratory diseases. Chronic respiratory diseases. Cardiovascular diseases. Congenital heart defects. Gastrointestinal diseases. Diseases of the uropoteic system. Basics of clinical hematology in pediatrics. Diseases of the endocrine system. Most common malignant diseases in children.	

Diseases of the musculoskeletal system. Most common diseases of central nervous system. Transmissible diseases. Prevention in pediatrics. Vaccination. Acute (sudden) situations in pediatrics. Intoxications. Ethical problems in pediatrics.					
Recommended or required literature: BUCHANEC, J. a kol. Vademekum pediatria. Martin : Osveta, 2001. KRIŽAN, S. Pediatria. Bratislava : SAP, 2001. LEBEL, J. Preklinická pediatrie. Praha : Galén, 2007. MUNTAU, A. C. Pediatrie. Praha : Grada, 2009. O'CALLAGHAN, Ch. Pediatrie do kapsy. Praha : Grada 2005.					
Language of instruction: Slovak or Czech language					
Notes: Subject is being taught only in winter semester and is being evaluated only in corresponding examination period of winter semester of the current academic year.					
Course evaluation: Assessed students in total: 116					
A	B	C	D	E	FX
26.72	12.93	14.66	19.83	17.24	8.62
Name of lecturer(s): doc. MUDr. Viliam Žilínek, CSc.					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok					
Faculty: Faculty of Health					
Course code: KUZS/54R24S/22		Course title: Paramedic Care			
Type and range of planned learning activities and teaching methods: Form of instruction: Recommended study range: hours weekly: hours per semester: Teaching method: on-site					
Credits: 6		Working load: 150 hours			
Recommended semester/trimester: 5., 6..					
Level of study: I.					
Prerequisites:					
Requirements for passing the course:					
Learning outcomes of the course:					
Course contents:					
Recommended or required literature:					
Language of instruction:					
Notes:					
Course evaluation: Assessed students in total: 111					
A	B	C	D	E	FX
20.72	21.62	21.62	14.41	21.62	0.0
Name of lecturer(s):					
Last modification:					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2019W/22	Course title: Paramedic Care 1
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 5 hours per semester: 60 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Active participation in lectures, seminars, within the controlled self-study, elaboration of a semester work, its evaluation is 10% of the final evaluation. Final evaluation: written exam.	
Learning outcomes of the course: The aim of the course is to simulate real situations in emergency health care and practice their treatment from the point of view of a paramedic and assistance in the crew with a doctor. Theoretical knowledge: To gain theoretical knowledge for the correct determination of the occupational diagnosis, subsequent correct treatment of the patient, therapeutic procedures and treatment. He manages the right choice of suitable transport aids and equipment, knows the correct direction of the patient after treatment. Practical skills :. The student will acquire practical skills in model situations simulating the real intervention of the EMS crew.	
Course contents: Organization of emergency medical service. Transport and fixing means in EMS. Patient examination. History taking. Specifics for all ages. Devices in UZS. Primary and secondary examination of the affected person. Urgent health care for a patient with polytrauma. Urgent health care for a patient with fractures. Urgent health care for a patient with bleeding. Urgent health care for a patient in shock of unknown etiology. Urgent health care for a patient with spinal cord and spinal cord injuries. Urgent health care for a patient with a chest injury. Urgent health care for a patient with an abdominal injury. Urgent health care for an unconscious patient. Urgent health care for a patient with craniocerebral injury.	
Recommended or required literature:	

Language of instruction: Slovak language or Czech language.					
Notes: The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.					
Course evaluation: Assessed students in total: 136					
A	B	C	D	E	FX
19.85	16.18	19.12	22.06	19.12	3.68
Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH, Mgr. Bc. Dagmar Tomčanyová					
Last modification: 05.02.2025					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2029W/22	Course title: Paramedic Care 2
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 5 hours per semester: 60 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites: KUZS/54R2019W/22	
Requirements for passing the course: Active participation in lectures, seminars, within the controlled self-study, elaboration of a semester work, its evaluation is 10% of the final evaluation. Final evaluation: Written exam of a model situation.	
Learning outcomes of the course: The aim of the course is to simulate real situations in emergency health care and practice their treatment from the point of view of a paramedic and assistance in the crew with a doctor. Theoretical knowledge: To acquire theoretical knowledge for the correct determination of the occupational diagnosis, subsequent correct treatment of the patient, therapeutic procedures and treatment. He manages the right choice of suitable transport aids and equipment, knows the correct direction of the patient after treatment. Practical skills :. The student will acquire practical skills in model situations simulating the real intervention of the RZP crew.	
Course contents: 1. Urgent health care for a patient injured by electric shock and lightning. 2. Urgent health care for a patient with impaired consciousness at NCMP. 3. Emergency care for a patient with chronic respiratory insufficiency. 4. Emergency health care for a patient with acute respiratory insufficiency. 5. Urgent health care for a patient with coronary heart disease. 6. Urgent health care for a patient with DM. 7. Urgent health care for a patient with an allergic reaction. 8. Urgent health care for the patient after heating. 9. Sudden birth in the field (care for mother and newborn). 10. Cardiopulmonary resuscitation in the field. 11. Care of a patient with acute psychosis. 12. Cardiopulmonary resuscitation of a child in the field.	
Recommended or required literature:	
Language of instruction: Slovak language or Czech language.	

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 113

A	B	C	D	E	FX
4.42	10.62	30.09	30.09	24.78	0.0

Name of lecturer(s): doc. MUDr. Milan Minarik, PhD., Ing. Mgr. Imrich András, MPH

Last modification: 05.02.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2040W/22	Course title: Paramedic Care 3
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 5 hours per semester: 60 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites: KUZS/54R2029W/22	
Requirements for passing the course: Active participation in lectures, seminars, within the controlled self-study, elaboration of a semester work, its evaluation is 10% of the final evaluation.	
Learning outcomes of the course: The aim of the course is to simulate real situations in emergency health care and practice their treatment from the point of view of a paramedic and assistance in the crew with a doctor. Theoretical knowledge: To acquire theoretical knowledge for the correct determination of the occupational diagnosis, subsequent correct treatment of the patient, therapeutic procedures and treatment. He manages the right choice of suitable transport aids and equipment, knows the correct direction of the patient after treatment. Practical skills :. The student will acquire practical skills in model situations simulating the real intervention of the RZP crew.	
Course contents: Classification and treatment of patients with multiple injuries. Urgent health care for a patient with polytrauma. Urgent health care for a patient with fractures. Urgent health care for a patient with bleeding. Urgent health care for a patient in shock of unknown etiology. Urgent health care for a patient with spinal cord and spinal cord injury. Urgent health care for a patient with a chest injury. Urgent health care for a patient with an abdominal injury. Urgent health care for an unconscious patient. Urgent health care for a patient with craniocerebral injury. Urgent health care for a patient with convulsions. Urgent health care for an intoxicated patient.	
Recommended or required literature:	
Language of instruction: Slovak language or Czech language.	
Notes: The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.	

Course evaluation: Assessed students in total: 113					
A	B	C	D	E	FX
6.19	11.5	27.43	22.12	23.89	8.85
Name of lecturer(s): doc. MUDr. Milan Minarik, PhD., Ing. Mgr. Imrich Andrási, MPH					
Last modification: 05.02.2025					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2051W/22	Course title: Paramedic Care 4
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 5 hours per semester: 60 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites: KUZS/54R2040W/22	
Requirements for passing the course: Active participation in lectures, seminars, within the controlled self-study, elaboration of a semester work, its evaluation is 10% of the final evaluation. Final evaluation: practical model exam.	
Learning outcomes of the course: The aim of the course is to simulate real situations in emergency health care and practice their treatment from the point of view of a paramedic and assistance in the crew with a doctor. Theoretical knowledge: To gain theoretical knowledge for the correct determination of the occupational diagnosis, subsequent correct treatment of the patient, therapeutic procedures and treatment. He manages the right choice of suitable transport aids and equipment, knows the correct direction of the patient after treatment. Practical skills :. The student will acquire practical skills in model situations simulating the real intervention of the RZP crew.	
Course contents: Emergency health care for a patient with a consciousness disorder at NCMP. Emergency care for a patient with chronic respiratory insufficiency. Emergency care for a patient with acute respiratory insufficiency. Urgent health care for a patient with coronary heart disease. Urgent health care for a patient with DM. Urgent healthcare for a patient with an allergic reaction. Urgent health care for the patient after heating. Sudden birth in the field (care for mother and newborn). Cardiopulmonary resuscitation in the field. Caring for a patient with acute psychosis. Cardiopulmonary resuscitation of a child in the field.	
Recommended or required literature:	
Language of instruction: Slovak language or Czech language.	
Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.	

Course evaluation: Assessed students in total: 113					
A	B	C	D	E	FX
2.65	17.7	30.97	22.12	25.66	0.88
Name of lecturer(s): doc. MUDr. Milan Minarik, PhD., Mgr. Bc. Dagmar Tomčanyová					
Last modification: 13.08.2025					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2055W/22	Course title: Paramedic Care 5
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 5 hours per semester: 60 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 6.	
Level of study: I.	
Prerequisites: KUZS/54R2051W/22	
Requirements for passing the course: Active participation in lectures, seminars. Final evaluation: practical model exam.	
Learning outcomes of the course: The aim of the course is to simulate real situations in emergency health care and practice them treatment from the point of view of a paramedic and assistance in the crew with a doctor. Theoretical knowledge: Interpret and use the acquired theoretical knowledge to determine correctly occupational diagnosis, subsequent correct treatment of the patient, therapeutic procedures and treatment. It works correct selection of suitable transport aids and equipment, knows the correct direction of the patient after treatment. Practical skills :. The student repeats the acquired practical skills in model situations simulating the real intervention of the RZP crew. Mastering practical skills need to be demonstrated in order to the student has successfully passed the practical state exam.	
Course contents: Classification and treatment of patients with multiple injuries. Urgent health care for patient with polytrauma. Urgent health care for a patient with fractures. Urgent healthcare of a patient with bleeding. Urgent patient care in shock of unknown etiology. Emergency care for a patient with a spinal cord injury and spinal cord. Urgent health care for a patient with a chest injury. Urgent medical care of a patient with abdominal injury. Urgent patient care in unconsciousness. Urgent health care for a patient with craniocerebral injury. Urgent health care patient with cramps. Urgent health care for the intoxicated patient. Urgent health care for a patient with impaired consciousness at NCMP. Urgent health care for a patient with chronic respiratory insufficiency. Urgent medical care of a patient with acute respiratory insufficiency. Urgent health care for patient with coronary heart disease. Urgent health care for a patient with DM. Urgent health care for a patient with allergic reaction. Urgent health care for the patient after heating. Sudden delivery in the field	

(mother and newborn care). Cardiopulmonary resuscitation in the field.
Caring for a patient with acute psychosis. Cardiopulmonary resuscitation of a child in the field.

Recommended or required literature:

Language of instruction:

Slovak language or Czech language.

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 110

A	B	C	D	E	FX
15.45	16.36	30.0	21.82	15.45	0.91

Name of lecturer(s): Ing. Mgr. Imrich Andrási, MPH

Last modification: 12.02.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2016W/22	Course title: Pathology and Pathological Physiology
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 3 / 2 hours per semester: 36 / 24 Teaching method: on-site	
Credits: 3	Working load: 75 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites: KUZS/54R2005W/22	
Requirements for passing the course: Prerequisites: Physiology Conditions for completing the course: During the semester: active participation in lectures. To participate in the exam, it is necessary to participate for min. 10 lectures and successful completion of 1 continuous written evaluation - min. at 60%. The final evaluation: Oral examination. Subject evaluation: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes: Objective of the course: Nuclear medicine and molecular imaging. Pathology explains how individual diseases and their manifestations arise. Gain knowledge about the change in the structure and function of individual organs during the disease. To know the basic terminology in the field, to know the etiology, pathogenesis and prevention of individual diseases. Theoretical knowledge: The student defines the nature of the disease and health, has knowledge of the etiology, pathogenesis and disease prevention, the importance of heredity in the pathogenesis of the disease, has knowledge of inflammation, apoptosis and cell necrosis, malignant cell transformation, thermoregulation disorders, water and electrolyte management, shock, collapse states, stress, etc. He has knowledge of the pathogenesis of diseases of individual organs. Practical skills: In practice, he is able to apply theoretical knowledge about the basic pathomorphological and functional changes of individual organs in disease processes into clinical practice and uses them in assessing the patient's condition.	

Course contents:

Course contents:

1. Characteristics of the field, definition of the disease and health. Etiology, pathogenesis and disease prevention. The importance of heredity in the pathogenesis of diseases, stress.
2. Inflammation (types and forms, inflammatory mediators), malignant cell transformation, pain.
3. Fever, disorders of aqueous and electrolyte metabolism and the internal environment.
4. Pathophysiology of shock, collapse states, syncope.
5. Pathogenesis of atherosclerosis and heart disease.
6. Pathophysiology of the vascular system, pathogenesis of hypertension.
7. Pathophysiology of the respiratory system and diseases of the respiratory system.
8. Pathogenesis and diseases of the uropoietic system.
9. Pathogenesis and pathophysiology of endocrine diseases and diabetes mellitus.
10. Pathogenesis of GIT disease and GIT disease.
11. Pathogenesis of blood and hematopoietic system.
12. Pathogenesis of the musculoskeletal system.

Recommended or required literature:

Literature:

1. LACKO A., KALIŠ A. et al. Vybrané kapitoly z patológie pre nelekárske zdravotnícke odbory. Ruržomberok: KU vyd. Verbum, 2017.
2. PLANK, L., HANÁČEK, J., LAUKO, L. et al.: Patologická anatómia a patologická fyziológia pre nelekárske odbory. Martin: vyd. Osveta, 2007.
3. ROKYTA R. et al.: Fyziologie a patologická fyziologie pro klinickou praxi. Praha: Grada, 2015.

Language of instruction:

Sloval language

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 130

A	B	C	D	E	FX
13.85	20.0	21.54	21.54	21.54	1.54

Name of lecturer(s): prof. MUDr. Anton Lacko, CSc., MUDr. Adrian Kališ, PhD.**Last modification:** 25.08.2025**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2017W/22	Course title: Pedagogy, Psychology and Sociology 1
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture Recommended study range: hours weekly: 3 hours per semester: 36 Teaching method: on-site	
Credits: 3	Working load: 75 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During the semester: in order to be admitted to the exam, it is necessary to attend lectures. Final evaluation: will be based on the total number of points obtained from the written exam. At the final written exam, the student can get max. 100 points.	
Learning outcomes of the course: Objective of the course: the graduate of the subject will gain an overview of basic sociological concepts and the current state of sociological knowledge. You will get a comprehensive overview of psychology as a separate scientific discipline, patient psychology, psychology of diseases and psychology of paramedics. knowledge that will enable him to better understand himself and understand others in the conditions of ordinary life as well as in the specific conditions of emergency health care. To enable students to orient themselves in the system of psychological sciences, they will become familiar with methods in psychology, with the psychological category of intelligence, creativity with the concept of personality, temperament, psychological, states, phenomena, processes. Familiarize yourself with basic personality types, assertive behavior, get knowledge of how to manage conflict situations, stress, how to properly communicate and use elements verbal and non-verbal communication, how to prepare for public speaking, how to communicate with patients as well as their relatives or witnesses of a sudden event with health impairment and colleagues. Theoretical knowledge: current sociological theories, applied sociological knowledge from the field of social institutions, culture and social organizations. He will master the theory of the basics of general psychology as an independent scientific discipline, the development of the psyche, psychological processes from perception to thinking, the dynamics of the psyche, the practical use of psychological knowledge in the work of a paramedic in emergency situations, mental health and stress, assertive behavior, handling conflict situations, effective communication , psychosocial intervention, psychological first aid. Practical skills: Apply the acquired knowledge in practice within the scope of the profession of a paramedic in the pre-hospital emergency care system, effectively use stress management strategies, apply the basics of psychosocial intervention to all involved, provide basic psychological first aid. All acquisition of knowledge apply in addition to professional life also in private life. Use an effective strategy communication and crisis resolution.	

Course contents:

The position of sociology in the system of sciences, subject, character and division of sociology. Development of sociology and main sociological theories. Social interaction and its types. Social relationship and social networks. Social groups and organizations. The hospital as a social organization. Society. Typology of societies. Perception of society by various authors. Culture and its components. Cultural ethnocentrism and cultural relativism. Social norms in society. Norms makers. Sanctions. Social control. Elements of social structure - soc. status, soc. role and social institution. The role of nurse, patient and doctor. Socialization. Sociological theories of socialization. Social conformity, nonconformity and deviation. Social institutions: marriage, family, religion, health care. Health and disease from the point of view of sociology.

Psychology as an independent scientific discipline about man and his psyche from the point of view of emergency health care. The development of the psyche. Mental processes - perception, attention, memory processes. Mental processes - imagination, fantasy, thinking. Personality, psyche and psychology.

Dynamics of the psyche - motivation, emotions. Basics of developmental psychology. Communication - verbal, non-verbal, paralinguistics, effective communication, assertive behavior. Psychosocial intervention and psychological first aid. Stress and the possibilities of its reduction, strategies for managing conflict situations, post-traumatic stress disorder. Burnout syndrome, crisis situations, UNPO, stressful psychological situations and coping strategies.

Recommended or required literature:

ANDRŠOVÁ, A.: Psychologie a komunikace pro záchranáře. Praha : Grada, 2012.

ALMAŠIOVÁ, A. Sociológia. Verbum, 2012.

BÁRTLOVÁ, S. Sociologie medicíny a zdravotnictví. GRADA, 2005.

BAUMAN, Z. Myslet sociologicky. Sociologické nakladatelství, 2010.

HELUS, Z.: Úvod do psychologie. Praha : Grada, 2011.

JANDOUREK, J. Průvodce sociologií. GRADA, 2008.

KELLER, J. Dějiny klasické sociologie. Sociologické nakladatelství, 2007.

VEREŠOVÁ, M. a ko.: Psychológia. Martin : Osveta, 2007.

ZACHARAOVÁ, E., ŠIMČÍKOVÁ-ČÍŽKOVÁ, J.: Základy psychologie pro zdravotnické obory. Praha : Grada, 2011.

Language of instruction:**Notes:**

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 130

A	B	C	D	E	FX
68.46	16.15	8.46	3.85	2.31	0.77

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, PhDr. Bc. Marek Šichman, PhD., MPH, MBA, DPH, DSc., PaedDr. Martin Pinkoš

Last modification: 04.08.2023

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2024W/22	Course title: Pharmacology
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 2 hours per semester: 24 / 24 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: <p>Active participation in exercises. The student takes control tests during the semester. The test will focus on the issues that were covered in the last exercises. To successfully pass the control test, it is necessary for the student to achieve a minimum of 6 points from a maximum of 10 points. The result of the control test will be announced to the student after the end of the exercises or one day before the start of next exercises. If the student gets less than 6 points, he/she is evaluated Fx. If a student obtains two times Fx from control tests during the semester, he/she will not be admitted to the final exam due to the theoretical failure of the subject. The results of control tests will be part of the final overall evaluation of the student.</p> <p>During the semester, each student prepares a semester work on a predetermined topic, which he is obliged to submit according to the instructions of the teacher.</p> <p>After the end of the semester and the fulfillment of all conditions given by the teacher, each student passes a final written examination, which is aimed to verify the theoretical knowledge acquired during the semester. To successfully complete the final written examination, the student must obtain at least 80% of points.</p> <p>The overall evaluation of the student will consist of the evaluation of control tests, evaluation of the semester work, evaluation of the final written examination and evaluation of the activity in the exercises. The teacher has the right to change the written examination to oral, which he must inform in advance. The student has the right to correction term in accordance with the study regulations of Faculty of Health, CU Ružomberok.</p>	
Learning outcomes of the course: <p>Objective of the course - aims of the course unit: Gaining knowledge of the history of the field, definitions, characteristics and tasks of pharmacology, mechanism of action of drugs, pharmacokinetics and pharmacodynamics of drugs, their resorption, transport, biotransformations, excretion, their interrelationships and interactions, NUL, types of treatment, placebo therapy, research of new drugs, drug forms. The student will gain knowledge of basic terminology in pharmacology, routes and methods of drug administration, drug dosing, principles of drug handling and administration, and mathematics in pharmacology. The student will acquire knowledge of general and special pharmacology. As part of the exercise, the student will master the equipment of emergency medical clinics in terms of pharmacology, its competencies in terms of the possibility of administering drugs in the ambulance under the supervision of a doctor and in the ambulance</p>	

without medical supervision. The student will learn within individual medicinal preparations placed in the emergency room their packaging, pharmaceutical form, composition, pharmacotherapeutic group, drug characteristics, administration indications, contraindications of administration, NUL, dosage, overdose, methods of blocking the effect of administered drug, its antidote (if any).), dosage and method of administration, specifics of the drug from the point of view of the pediatric patient, specifics from the point of view of fertility, pregnancy and lactation, specifics from the point of view of driving and working at heights, needs of monitoring the patient during application and monitoring of its effects and handling.

Course contents:

Course contents:

1. History, definition and tasks of pharmacology, mechanism of drug effects, drug interrelationships, pharmacokinetics, pharmacodynamics, agonism, antagonism,
2. Side effect of the drug, types of treatment, placebo therapy, new drugs, drug forms, resorption, transport, biotransformation, excretion
3. Basic terminology in pharmacology, routes of drug application, drug dosing, principles and methods of drug administration, mathematics in pharmacology
4. Pharmacology of the nervous system
5. Pharmacology of the circulatory system
6. Pharmacology of the respiratory system
7. Pharmacology of the digestive system
8. Pharmacology of blood and hematopoietic organs
9. Pharmacology of enzymes and vitamins
10. Pharmacology of antibiotics and chemotherapeutics, antihistamines, antiseptics and disinfectants
11. Pharmacology of chemotherapy, principles of administration
12. Medical equipment of the emergency room, Emergency room competence within pharmacotherapy. Entonox. Pentrox
13. Oxygen, F1 / 1, Gelitaspon, Ophtal, Lidocain
14. Glucose 40%, Adrenaline, Cordarone *
15. Nitromint, Anopyrin, Trombex, Efiend *, Brillique *, Analgin, Novalgin, Paracetamol, JEXT, Diazepam rect. *, Carbosorb, Paralen supp.
16. Tramal, Furosemide, Apaurin, MgSO₄, HCT, Rectodelt, Anexate, Degan, Dithiaden, Diazepam
17. Clexane *, Heparin, Naloxone, Tensiomin *, Atropine *, Ventolin *, Nospa, Torecan supp., Methergin
18. Adenocor, Betaloc, Buscopan, Calcium, Cefotaxime, Dexamed, Dicynone, Digoxin, Dobuject, Ebrantil, Exacyl, Furosemid Forte, Glypressin
19. Granisetron, Haloperidol, Isoket, Isoptin, Mesocaine, Metalyse, Methergin, Midazolam, Noradrenaline, Oxantil, Propofol
20. Propanorm, Suxamethonium iodide, Solumedrol, Syntophyllin, Tensamin, Thiopental, Tracrium, Lexaurin, Calypsol, Sufenta, Morphine, Ephedrine
21. Sodium bicarbonate, Glucose 5%, Hartman, Ventolin spray

Recommended or required literature:

ŠICHMAN, M: Farmakológia v prednemocničnej urgentnej medicíne, Equilibria, Košice, 2022.
GUY, S., J.: Pharmacology for the Prehospital Professional, Canada, Mosby Jems Elsevier 2011
LULLMANN, H., MOHR, K., WEHLING, M.: Farmakologie a toxikologie. Praha, Grada 2002
SLÍVA, J.: Farmakologie. Praha, Triton 2011
LULLMANN, H.: Brevný atlas farmakologie. Praha, Grada 2007
HYNIE, S.: Farmakologie v kostce. Praha, Triton 2001

Language of instruction: Slovak language, Czech language					
Notes: The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.					
Course evaluation: Assessed students in total: 116					
A	B	C	D	E	FX
0.86	30.17	41.38	18.97	6.9	1.72
Name of lecturer(s): prof. MUDr. Anna Lesňáková, PhD., PhDr. Bc. Marek Šichman, PhD., MPH, MBA, DPH, DSc.					
Last modification: 13.08.2025					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2005W/22	Course title: Physiology
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 3 / 2 hours per semester: 36 / 24 Teaching method: on-site	
Credits: 5	Working load: 125 hours
Recommended semester/trimester: 1.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Prerequisites: No connection Conditions for completing the course: During the semester: Attendance at lectures. The final evaluation: Written test before the oral exam, obtaining 60% of points from the test is a condition of the oral exam. Subject evaluation: A – 100% - 91% B – 92% - 85% C – 84% - 77% D – 76% - 69% E – 68% - 60% Fx – 59% - 0%	
Learning outcomes of the course: Learning outcomes: Objective of the course: Getting acquainted with the functions of organ systems of the human body. Understanding the organism as a dynamic whole. Changes in the body during movement and physical exercise. Theoretical knowledge: The student masters professional terminology, defines the basic physiological principles of homeostasis of the internal environment of the organism. It describes the physiological activity of organ systems, illustrates the essence of individual physiological processes. It defines the basic differences between non-specific and specific immunity, between enzyme and hormone, between autonomic and somatic nervous system and the like. Can interpret physiological changes at work and exercise. Practical skills: The student demonstrates the application of theoretical knowledge to clinical practice. He orients himself in organizing his theoretical knowledge into individual clinical disciplines, such as examination of blood elements, blood transfusion, active and passive immunization, measurement of blood pressure, evaluation of heart activity according to heart sounds and ECG curves, functional	

examination of lungs using spirometry examination. enzymes, hormones, examination of urine and kidney function, principles of proper nutrition, the effect of stress on the body, etc.

Course contents:

Course contents:

1. Characteristics of the subject, cell physiology, internal environment.
2. Physiology of blood.
3. Physiology of the cardiovascular and lymphatic system.
4. Physiology of respiration.
5. Physiology of the digestive system and nutrition.
6. Physiology of the excretory system.
7. Physiology of the endocrine system.
8. Physiology of the autonomic and somatic nervous system.
9. Physiology of thermoregulation, muscles and skin.
10. Physiology of the immune system and reproduction.
11. Physiology of nutrition and sensory organs.
12. Physiology of work and physical exercises.

Recommended or required literature:

Literature:

1. ČALKOVSKÁ A. et al.: Fyziológia človeka pre nelekárske študijné programy. Martin: vyd. Osveta, 2010.
2. LACKO A. et al.: Vybrané kapitoly z fyziológie pre nelekárske odbory (prednášky). Ružomberok: KU vyd. : Verbum, 2017.
3. ROKYTA R. et al.: Fyziologie a patologická fyziologie pro klinickou praxi. Praha: Grada, 2015.

Language of instruction:

slovak language

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 133

A	B	C	D	E	FX
50.38	7.52	11.28	14.29	16.54	0.0

Name of lecturer(s): prof. MUDr. Anton Lacko, CSc.

Last modification: 25.08.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok					
Faculty: Faculty of Health					
Course code: KUZS/54R22S/22		Course title: Professional Training			
Type and range of planned learning activities and teaching methods: Form of instruction: Recommended study range: hours weekly: hours per semester: Teaching method: on-site					
Credits: 6		Working load: 150 hours			
Recommended semester/trimester: 5., 6..					
Level of study: I.					
Prerequisites:					
Requirements for passing the course:					
Learning outcomes of the course:					
Course contents:					
Recommended or required literature:					
Language of instruction:					
Notes:					
Course evaluation: Assessed students in total: 111					
A	B	C	D	E	FX
14.41	19.82	22.52	30.63	11.71	0.9
Name of lecturer(s):					
Last modification:					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2037W/22	Course title: Psychiatry
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 1 hours per semester: 24 / 12 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: During the semester: active participation in lectures and seminars, tolerated absence of 2 meetings. In case of higher absence, elaboration of seminar work and written test Final evaluation: oral exam	
Learning outcomes of the course: Objective of the course - aims of the course unit: The aim of the course is to get an overview of basic mental disorders, clinical picture, to orient in basic psychopathology with the use in emergency health care. Theoretical knowledge: The student should be able to identify an acute condition in psychiatry, master the basic psychopathological symptoms, distinguish the main groups of mental disorders - the difference between neurotic, psychotic condition, withdrawal symptoms, addiction, organicity, recognize possible side effects of therapy and their solution. Practical skills:., diff.dg. Evaluation of the patient's condition, contact or taking a position when working with an aggressive patient. high-risk suicidal patients, management of the patient's acute condition.	
Course contents: Introduction to the issue. Mental health. Psychological disorder. Causes of mental disorders. Prevention of mental health disorders. Psychopathology. Affective mental disorders. Schizophrenia, delusional disorders. Psychogenic mental disorders, personality disorders. Addictions to psychoactive substances, acute conditions associated with addictive substances Gerontopsychiatry. Organic mental disorders. Urgent psychiatry I (suicidal patient, patients with violent behavior, urgent conditions of eating disorders, acute psychosis and catatonia) Emergency psychiatry II (work with victims of disasters, abuse of a partner, child) Therapy of mental disorders. Some legal and ethical issues in psychiatry.	
Recommended or required literature:	

Language of instruction: Slovak language or Czech language.					
Notes: The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.					
Course evaluation: Assessed students in total: 112					
A	B	C	D	E	FX
38.39	23.21	24.11	9.82	4.46	0.0
Name of lecturer(s): doc. Mgr. Martina Dubovcová, PhD., MPH					
Last modification: 03.02.2022					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2041W/22	Course title: Research in Health Care
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 4.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Active participation in exercises. The student takes control tests during the semester. The test will focus on the issues that were covered in the last exercises. To successfully pass the control test, it is necessary for the student to achieve a minimum of 6 points from a maximum of 10 points. The result of the control test will be announced to the student after the end of the exercises or one day before the start of next exercises. If the student gets less than 6 points, he/she is evaluated Fx. If a student obtains two times Fx from control tests during the semester, he/she will not be admitted to the final exam due to the theoretical failure of the subject. The results of control tests will be part of the final overall evaluation of the student. During the semester, each student prepares a semester work on a predetermined topic, which he is obliged to submit according to the instructions of the teacher. After the end of the semester and the fulfillment of all conditions given by the teacher, each student passes a final written examination, which is aimed to verify the theoretical knowledge acquired during the semester. To successfully complete the final written examination, the student must obtain at least 80% of points. The overall evaluation of the student will consist of the evaluation of control tests, evaluation of the semester work, evaluation of the final written examination and evaluation of the activity in the exercises. The teacher has the right to change the written examination to oral, which he must inform in advance. The student has the right to correction term in accordance with the study regulations of Faculty of Health, CU Ružomberok.	
Learning outcomes of the course: Objective of the course - aims of the course unit: to acquire basic knowledge about research, research methods - quantitative and qualitative. Master the stages of research and be able to publish research results. Theoretical knowledge: to master the theory of research in emergency health care, basic terminology in research, ethics in research, basics of qualitative and quantitative research, stages and phases of research, research methodology, principles of presentation of research results. Practical skills: to master the application of ethical and legal aspects in research work, to prepare the final thesis, compile a research on the topic of semester and final work, critically assess own and acquired documents, to present the methodology of own work, to compile individual research methods of data collection (questionnaire, survey, interview, case study, observation, document	

analysis), prepare the obtained data for statistical evaluation, process the results of the final work, prepare a presentation and present the final work, research results.

Course contents:

1. Research theory, research process and its stages - conceptual phase of research - definition of research problem
2. Research process and its stages - conceptual phase of research - overview of sources, theoretical framework, hypotheses
3. Work with literature, research sources and databases
4. Research process and its stages - design and planning phase - empirical phase
5. Research process and its stages - analytical phase - dissemination phase
6. Methods of empirical data collection - questionnaire, observation, experiment, Case Study / case study
7. Measurement and measuring tools
8. Statistical methods - deductive statistics
9. Statistical research methods - inductive statistics
10. Qualitative research
11. Publication of results and their presentation
12. Final thesis - Rector's directive KU no. VP-KU-35

Recommended or required literature:

1. HANÁČEK, J, JAVORKA, K. Vedecká příprava. Martin: Osveta, 2010. 220 p.
2. HOVORKA, D. a kol. Ako písať a komunikovať. Martin: Osveta, 2011. 247 p.
3. KATUŠČÁK, D. Ako písať vysokoškolské a kvalifikačné práce. Nitra: Enigma, 2009. 162 p.
4. KEITH F. PUNCH. Základy kvantitatívneho šetrení. Praha: Portál, 2008. 152 p.
5. LAJČIAKOVÁ, P. Ako spracovať výskum. Ružomberok: Verbum, 2010. 180 p.
6. MEŠKO, D., KATUŠČÁK, D., FINDRA, J. a kol. Akademická príručka. Martin: Osveta, 2005. 496 p.
7. SILVERMAN, D. Ako robiť kvalitatívny výskum. Bratislava: Ikar, 2005. 327 p.
8. Smernica dekana FZ o ukončení štúdia
9. Smernica rektora KU č. 2/2017
10. STAROŇOVÁ, K. Vedecké písance. Martin: Osveta, 2011. 246 p.

Language of instruction:

Slovak language or Czech language

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 114

A	B	C	D	E	FX
8.77	15.79	23.68	34.21	11.4	6.14

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, PhDr. Bc. Marek Šichman, PhD., MPH, MBA, DPH, DSc.

Last modification: 12.08.2024

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2053W/22	Course title: Seminar to Final Thesis
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 12 Teaching method: on-site	
Credits: 1	Working load: 25 hours
Recommended semester/trimester: 5.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: Active participation in exercises. The student takes control tests during the semester. The test will focus on the issues that were covered in the last exercises. To successfully pass the control test, it is necessary for the student to achieve a minimum of 6 points from a maximum of 10 points. The result of the control test will be announced to the student after the end of the exercises or one day before the start of next exercises. If the student gets less than 6 points, he/she is evaluated Fx. If a student obtains two times Fx from control tests during the semester, he/she will not be admitted to the final exam due to the theoretical failure of the subject. The results of control tests will be part of the final overall evaluation of the student. During the semester, each student prepares a semester work on a predetermined topic, which he is obliged to submit according to the instructions of the teacher. After the end of the semester and the fulfillment of all conditions given by the teacher, each student passes a final written examination, which is aimed to verify the theoretical knowledge acquired during the semester. To successfully complete the final written examination, the student must obtain at least 80% of points. The overall evaluation of the student will consist of the evaluation of control tests, evaluation of the semester work, evaluation of the final written examination and evaluation of the activity in the exercises. The teacher has the right to change the written examination to oral, which he must inform in advance. The student has the right to correction term in accordance with the study regulations of Faculty of Health, CU Ružomberok.	
Learning outcomes of the course: Objective of the course - aims of the course unit: to master the principles of writing a final thesis and work with literature in accordance with the directive of the Rector of KU no. VP-KU-35 on the requisites of final, rigorous and habilitation theses, their bibliographic registration, control of originality, storage and access. Control: <ul style="list-style-type: none"> • standards, ethical principles and techniques of citation and work with bibliographic references. • principles of formal arrangement of the final work, the way of its presentation and publication. • basics of creating and using questionnaires, case reports and other research and research methods. • preparation of the obtained data for analysis, including the creation of a coding book. • basics of using inductive and deductive statistics • basics of using MS Excel, MS Word, MS PowerPoint, IBM SPSS Statistics. 	

Theoretical knowledge: theoretically master the basic theory of writing a thesis, basic differences between types of work, rules of literature, ethics and ethics of citation, paraphrasing, basic principles of formal and content of the thesis, preparation of research, research, preparation for the use of research / research methods , data preparation for their analysis, basics of statistical analysis of obtained data and their correct interpretation, methods of preparation for effective presentation and presentation of obtained data and conclusions.

Practical skills: write the final thesis in accordance with the directive of the Rector of KU no. VP-KU-35, prepare a presentation of the final thesis, present their work and publish the results of their work within the defense of the final thesis and in professional periodicals.

Course contents:

Course contents:

1. Directive of the Rector of KU no. VP-KU-35 on the requisites of final, rigorous and habilitation theses, their bibliographic registration, control of originality, preservation and access - updated edition.
2. Basics of creating self-designed questionnaires, including electronic form in Google forms, creation of a coding book, coding of the obtained data and their preparation for analysis, use of standardized questionnaires.
3. Basics of creating a Case Study / case study, its analysis and methods of interpretation.
4. Basics of observation and experiment, creation of documentation and possibilities of their processing and interpretation.
5. Basics of analysis of obtained data using deductive statistics using MS Excel and interpretation options.
6. Basics of analysis of obtained data using inductive statistics using IBM SPSS Statistics and the possibility of their interpretation.
7. Creation of tables and graphs using MS Word and MS Excel.
8. Creation of presentations of obtained data within MS PowerPoint.

Recommended or required literature:

1. Smernica rektora KU č. 2/2017 o náležitostiach záverečných, rigorózných a habilitačných prác, ich bibliografickej registrácii, kontrole originality, uchovávaní a sprístupňovaní
2. HANÁČEK, J. - JAVORKA, K. Vedecká príprava. Martin : Osveta, 2010. .
3. HOVORKA, D. a kol. Ako písať a komunikovať. Martin : Osveta, 2011.
4. KATUŠČÁK, D. Ako písať vysokoškolské a kvalifikačné práce. Nitra : Enigma, 2009.
5. MALÍKOVÁ, K. a kol. Príprava a písanie záverečnej práce. Ružomberok : FZ KU, 2008.
6. MEŠKO, D. - KATUŠČÁK, D. - FINDRA, J. a kol. Akademická príručka. Martin : Osveta, 2005.
7. STAROŇOVÁ, K. Vedecké písanie. Martin : Osveta, 2011.
8. TUREK, I. Ako písať záverečnú prácu. Bratislava : Metodicko-pedagogické centrum, 2005.
9. VYDRA, A. Akademické písanie. Trnava : Filozofická fakulta Trnavskej univerzity, 2010.
10. ŽIAKOVÁ, K. a kol. Ošetrovatel'stvo teória a vedecký výskum. Martin: Osveta, 2009.

Language of instruction:

Slovak language or Czech language

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:					
Assessed students in total: 116					
A	B	C	D	E	FX
12.07	36.21	25.86	11.21	12.93	1.72
Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, PhDr. Bc. Marek Šichman, PhD., MPH, MBA, DPH, DSc.					
Last modification: 12.08.2024					
Supervisor(s):					
Person responsible for the delivery, development and quality of the study programme: doc. MUDr. Milan Minarik, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2025W/22	Course title: Surgery and Traumatology
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 3 / 2 hours per semester: 36 / 24 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites: KUZS/54R2016W/22	
Requirements for passing the course: Active participation in lectures. During the semester, there will be two written tests of knowledge, for each of which it is necessary to obtain a minimum grade of 60% to participate in the final exam. Final evaluation: the final evaluation will be based on passing the final test, the minimum evaluation of which will be 60%. Successful completion of the final test will be a condition for the final oral exam.	
Learning outcomes of the course: Objective of the course in terms of learning outcomes and competences To master theoretically the basic principles of surgical treatment of the most common surgical diseases and injuries in adults and children. To manage the care of a surgical patient in the preoperative and postoperative period. Theoretical knowledge: on the basis of theoretical knowledge, the student is able to identify the most important and most common disease states in surgery and traumatology. By basic examination and analysis of special examinations, it analyzes and synthesizes the symptoms and diagnostic conclusion, or is able to evaluate the necessity of surgical treatment.	
Course contents: 1. Characteristics of the department, historical development, interdisciplinary position. 2. Subjective and objective examination of a surgical patient. 3. Paraclinical examination methods in surgery. 4. Wounds, classification, physiology and pathology of wound healing, basics of wound care in surgery. 5. Asepsis and antisepsis in surgery. Principles and methods of disinfection and sterilization in surgery. 6. Anesthesia - local and general. Nature, physiological principles, methods and possible complications. 7. Infections in surgery - inflammation in general, general symptoms, anaerobic infections, surgical treatment of inflammation. Nosocomial infections in surgery - an overview, nature and the most important factors of the solution. 8. Parenteral and infusion nutrition in surgery. 9. Principles of drainage in surgery. 10. Transfusion and transfusion preparations.	

11. Dressing technique in surgery.
12. History and concept of trauma surgery.
13. Head and brain injuries.
14. Injuries of the spine and spinal cord
15. Peripheral nerve injuries.
16. Chest injuries.
17. Abdominal injuries.
18. Fractures - terminology. Fractures and damage to the musculoskeletal system.
19. Blast syndrome, crush syndrome.
20. Burns and frostbite - terminology, definition, evaluation, the most important treatments.
21. Polytrauma - definitions, triage - evaluation systems.
22. Sudden events - definition, basic division, the most important diagnostic methods and procedures.
23. Sudden abdominal bleeding events.
24. Sudden events of abdominal inflammation.
25. Sudden abdominal mechanical events.
26. Sudden events and shocks in surgery.

Recommended or required literature:

Language of instruction:

Slovak language or Czech language.

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 117

A	B	C	D	E	FX
23.08	20.51	22.22	19.66	14.53	0.0

Name of lecturer(s): doc. MUDr. Marián Šanta, CSc., MUDr. Peter Filipp

Last modification: 03.02.2022

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KVEZ/54Z2003W/23	Course title: The Basic Theme of the Bible
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture Recommended study range: hours weekly: 2 hours per semester: 24 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: a) active participation of the student in classes b) final assessment: written exam - electronic test (60-100%). The final assessment of the subject corresponds to the verbal assessment: Passed/Not passed. Credits will be awarded to a student who obtained at least 60 out of 100% from the subject for fulfilling the specified conditions.	
Learning outcomes of the course: <ul style="list-style-type: none"> • Knowledge: The student knows the basic literary-historical character of the Bible and can reproduce the basic elements of the message of individual books. • Skills: The student is able to read a biblical text with understanding and, on that basis, engage in religious discourse. • Competences: The student combines individual biblical ideas and, based on them, can understand the basic thought vectors of Western culture. 	
Course contents: The Bible - its literary character, basic content lines. The text of the Bible in its genetic and communicative character; hermeneutic starting points. Geographical and historical-cultural context of the Bible. The message of the Old Testament books, literary, historical-theological hermeneutic prerequisites for reading their text with understanding. The person of Jesus Christ as the center of the books of the New Testament. The message of the New Testament books; literary and historical-theological hermeneutic prerequisites for reading their text with understanding.	

Recommended or required literature:

1. BIBLIA: Starý a Nový zákon. 2016. Trnava: Spolok Sv. Vojtecha, 2016, 3359 s. ISBN 978-80-8161-220-6.
2. HERIBAN, J. 2020. Sväté písmo: Nový zákon / úvod k jednotlivým spisom a poznámky. Trnava: Spolok Sv. Vojtecha, 2020, 776 s. ISBN 978-80-8161-435-4.
3. LENOX, J. C. 2021. Sedem dní, ktoré rozdeľujú svet: vznik vesmíru podľa Genezis a modernej vedy. Bratislava: Postoj Media, 2021, 215 s. ISBN 978-80-89994-34-2.
4. MACKERLE, A. 2014. Než budete čítať Bibliu podruhé: vybraná témata o Biblii. České Budějovice: Jihočeská univerzita v Českých Budějovicích, 2014, 232 s. ISBN 978-80-7394-450-6.
5. TRSTENSKÝ, F. 2019. Rozprávaj mi o Biblii. Ružomberok: Verbum, 2019, 88 s. ISBN 978-80-8970-138-4.
6. TRSTENSKÝ, F. 2020. Štyri evanjeliá, jeden Kristus. Kežmarok: GG Kežmarok, 2020, 103 s. ISBN 978-80-89701-45-2.

Language of instruction:

Slovak Language

Notes:**Course evaluation:**

Assessed students in total: 135

ABSOL	NEABS
100.0	0.0

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, PaedDr. Martin Pinkoš**Last modification:** 06.06.2023**Supervisor(s):**Person responsible for the delivery, development and quality of the study programme:
doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KVEZ/54Z2002W/23	Course title: The Basic Theme of the Theology
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture Recommended study range: hours weekly: 2 hours per semester: 24 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 2.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: a) active participation of the student in classes b) final assessment: written exam - electronic test (60-100%). The final assessment of the subject corresponds to the verbal assessment: Passed/Not passed. Credits will be awarded to a student who obtained at least 60 out of 100% from the subject for fulfilling the specified conditions.	
Learning outcomes of the course: <ul style="list-style-type: none"> • Knowledge: The student will acquire basic knowledge about the religious phenomenon and will know the basic attributes of Christianity in the context of other religions. • Skills: The student can distinguish the specifics of Christian identity and apply them in cultural, ecumenical and interreligious dialogue. • Competences: The student can independently reflect on the essential features and truths of Christianity and communicate them. 	
Course contents: The importance of religion in the life of an individual - a person is capable of faith. Religion and the meaning of life, the role of religion in shaping critical thinking. Christianity in the context of other religions (interreligious dialogue). Christianity, its origin and the person of the founder. Basic truths of Christianity and the Catholic faith (ecumenical dialogue). Jesus Christ, the only Savior of mankind.	

Recommended or required literature:

1. Katechizmus Katolíckej cirkvi. 2007. Trnava: Spolok sv. Vojtecha, 2007, 918 s. ISBN 978-80-7162-657-2.
2. EGGER, P. 2020. Svetové náboženstvá z kresťanského pohľadu. Nitra: Gorazd, 2020, 143 s. ISBN 978-80-89481-54-5.
3. FUNDA, O.A. 2017. K filozofii náboženstvá. Praha: Karolinum, 2017, 103 s. ISBN 978-80-246-3748-8.
4. HRABOVECKÝ, P. 2020. Základy fundamentálnej teológie a religionistiky. Ružomberok: Verbum, 2020, 151 s. ISBN 978-80-561-0760-7.
5. SARKA, R. 2010. Teológia náboženstiev kontexte minulosti a súčasnosti. Ružomberok: Verbum 2010, 180 s. ISBN 978-80-8084-578-0.
6. WALDENFELS H. 1999. Fenomén kresťanství. Kresťanská univerzalita v pluralite náboženstvá. Praha: Vyšehrad, 1999, 144 s. ISBN 80-7021-329-9.
7. RATZINGER, J. 2007. Úvod do kresťanstva. Trnava: Dobrá Kniha, 2007, 305 s. ISBN 978-80-7141-562-6.

Language of instruction:

Slovak language

Notes:**Course evaluation:**

Assessed students in total: 135

ABSOL	NEABS
99.26	0.74

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, PaedDr. Martin Pinkoš**Last modification:** 06.06.2023**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:

doc. MUDr. Milan Minarik, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KUZS/54R2028W/22	Course title: Toxicology and Diagnostic Methods
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture Recommended study range: hours weekly: 2 hours per semester: 24 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 3.	
Level of study: I.	
Prerequisites:	
Requirements for passing the course: <p>Active participation in exercises. The student takes control tests during the semester. The test will focus on the issues that were covered in the last exercises. To successfully pass the control test, it is necessary for the student to achieve a minimum of 6 points from a maximum of 10 points. The result of the control test will be announced to the student after the end of the exercises or one day before the start of next exercises. If the student gets less than 6 points, he/she is evaluated Fx. If a student obtains two times Fx from control tests during the semester, he/she will not be admitted to the final exam due to the theoretical failure of the subject. The results of control tests will be part of the final overall evaluation of the student.</p> <p>During the semester, each student prepares a semester work on a predetermined topic, which he is obliged to submit according to the instructions of the teacher.</p> <p>After the end of the semester and the fulfillment of all conditions given by the teacher, each student passes a final written examination, which is aimed to verify the theoretical knowledge acquired during the semester. To successfully complete the final written examination, the student must obtain at least 80% of points.</p> <p>The overall evaluation of the student will consist of the evaluation of control tests, evaluation of the semester work, evaluation of the final written examination and evaluation of the activity in the exercises. The teacher has the right to change the written examination to oral, which he must inform in advance. The student has the right to correction term in accordance with the study regulations of Faculty of Health, CU Ružomberok.</p>	
Learning outcomes of the course: <p>By completing the course the student will gain knowledge about toxicology as an independent scientific field, its definitions, characteristics and tasks, basic terminology, toxicity of individual substances, individual noxa, their mechanism of action, pharmacokinetics and pharmacodynamics, possible routes of entry and absorption, transport, biotransformation, excretions, their interrelationships, accumulations and interactions. The student will obtain basic information on the evaluation of the clinical picture and individual symptoms of the patient, basic principles of diagnosis and management of patients with suspected intoxication or identified or unidentified noxa in emergency care, including consultation of the procedure through the National Information Toxicology Center.</p>	

Course contents:

1. General toxicology
2. Toxicological terminology
3. Pharmacokinetics and metabolism and biotransformation
4. Effects of chemical substances (general, toxic, irritant, allergenic, carcinogenic, hepatotoxic, haematotoxic, nephrotoxic, neurotoxic)
5. Poisoning, overdose, toxic levels, accumulation and interaction of nox
6. Diagnosis, general principles of management of a patient with intoxication in the conditions of emergency care and treatment options
7. Toxicology of inorganic substances
8. Toxicology of organic substances
9. Drug intoxication
 - Analgesics
 - Non-opioid analgesics
 - Opioid analgesics
 - Hypnotics and sedatives
 - Barbiturates
 - Benzodiazepines
 - Beta-blockers
 - Tricyclic antidepressants
10. Intoxication by narcotic psychotropic substances
 - Hallucinogenic drugs
 - Cannabinoids
 - Stimulants (cocaine, methamphetamine, MDMA methylenedioxyamphetamine)
 - Opioids
11. Intoxication with organic solvents
12. Fungal intoxication
13. Pesticide intoxication
14. Intoxications caused by plants
15. Gas intoxication
16. Alcohol and glycol intoxication
17. National Toxicological Information Center

Recommended or required literature:

- ŠICHMAN, M: Farmakológia v prednemocničnej urgentnej medicíne, Equilibria, Košice, 2022. ISBN 978-80-8143-314-6
- Balíková, M. Forezní a klinická toxikologie. Druhé vydanie. Galén : Praha. 2017. ISBN 978-80-7492-304-3.
- Osina, O, Sadloňová, J. Toxikológia – vybrané kapitoly. UK Jeseniovej lekárskej fakulty : Martin. 2016. ISBN 978-80-8187-027-9.
- Pelclová, D. et al., Nejčastejšie otravy a jejich terapie. Galén : Praha. 2009. ISBN 978-80-7262-603-8
- Ševela K., Ševčík P. a kol. Akutní intoxikace a léková poškození v intenzivní medicíně, Grada : Praha, 2011. ISBN 978-80-247-3146-9

Language of instruction:

Slovak language or Czech language.

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 118

A	B	C	D	E	FX
3.39	3.39	25.42	29.66	35.59	2.54

Name of lecturer(s): doc. MUDr. Milan Minarik, PhD., PhDr. Bc. Marek Šichman, PhD., MPH, MBA, DPH, DSc.

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