

Study plan

Name of study plan: Paramedic - full-time

Faculty/Institute/Others:

Department: Department of Health Care Disciplines and Population Protection

Branch of study guaranteed by the department: Paramedic

Garantor of the study branch: doc. MUDr. Jan Pokorný, DrSc.

Program of study: Specializations in Health Service

Type of study: Bachelor full-time

Required credits: 180

Elective courses credits: 0

Sum of credits in the plan: 180

Note on the plan:

Name of the block: Compulsory courses

Minimal number of credits of the block: 178

The role of the block: Z

Code of the group: 17PBZ POV 14

Name of the group: Paramedic compulsory course 14

Requirement credits in the group: In this group you have to gain 178 credits

Requirement courses in the group: In this group you have to complete 81 courses

Credits in the group: 178

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
17PBZARI1	Anaesthesiology, resuscitation and intensive care I Tomáš Hyánek, Jan Pokorný Tomáš Hyánek Jan Pokorný (Gar.)	Z	2	2P+1C	Z	z
17PBZARI2	Anaesthesiology, resuscitation and intensive care II Tomáš Hyánek, Jan Pokorný, Robert Pleskot Robert Pleskot Jan Pokorný (Gar.)	Z	2	2P+1C	L	z
17PBZARI3	Anaesthesiology, resuscitation and intensive care III Tomáš Hyánek, Jan Pokorný Tomáš Hyánek Jan Pokorný (Gar.)	Z,ZK	3	2P+1C	Z	z
17PBZBP	Bachelor Thesis Pavel Böhm Pavel Böhm (Gar.)	Z	4	80XH	L	z
17BOZP	Occupational Safety and Health, Fire Protection and First Aid Petr Kudrna Petr Kudrna Petr Kudrna (Gar.)	Z	0	1P	Z	z
17PBZCHT1	Surgery and Traumatology I Jan B íza Jan B íza Jan B íza (Gar.)	Z	2	2P	Z	z
17PBZCHT2	Surgery and Traumatology II Jan B íza Jan B íza Jan B íza (Gar.)	ZK	2	2P	L	z
17PBZEZ	Ethics in Healthcare Tibor Bre ka	KZ	2	2P	Z	z
17PBZFA1	Functional Anatomy I Yulia uprová Ivan Dylevský Yulia uprová (Gar.)	Z	4	2P+2C	Z	z
17PBZFA2	Functional Anatomy II Yulia uprová, Václav Kvítek Ivan Dylevský Yulia uprová (Gar.)	Z,ZK	3	2P+2C	L	z
17PBZGP	Gynaecology and Obstetrics Jan Luká Jan Luká Jan Luká (Gar.)	ZK	2	2P	Z	z
17PBZIPP3	Individual Block Practice III Pavel Böhm, Martina Dingová Šlíková Pavel Böhm (Gar.)	Z	3	120XH	Z	z
17PBZIPP1	Individual Summer Practice I Pavel Böhm Pavel Böhm Pavel Böhm (Gar.)	Z	4	200XH	L	z
17PBZIPP2	Individual Summer Practice II Pavel Böhm Pavel Böhm (Gar.)	Z	2	280XH	L	z
17PBZISZ	Information Systems in Health Care Tomáš Hr za, Martin Bejtíc Tomáš Hr za (Gar.)	KZ	2	1C	L	z
17PBZIZS	Integrated Emergency Services and Crisis Management Petr Mirovský, Martin Stan k Martin Stan k (Gar.)	KZ	2	2P+2C	L	z
17PBZKP	Clinical Propedeutics Jan Pokorný Petr Jelínek Jan Pokorný (Gar.)	Z,ZK	3	2P+1C	L	z

17PBZKZ	Communication in Healthcare <i>Martina Dingová Šlíková Martina Dingová Šlíková (Gar.)</i>	KZ	1	1C	Z	z
17PBZKHZ	Course Mountain Rescue Service <i>Daniel Hynek, Roman Tomík, Zdeněk Hon Roman Tomík Daniel Hynek (Gar.)</i>	Z	1	40XH	Z	z
17PBZKPSP	Traffic Code Course, Theory of Driving and Navigation Practice <i>Jan Pokorný, Pavel Böhm Pavel Böhm Jan Pokorný (Gar.)</i>	ZK	4	40XH	L	z
17PBZKCBRNE	Course in Issues of CBRNE <i>Pavel Böhm, Ivana Vodehnalová, Petra Kadlec Linhartová Pavel Böhm Pavel Böhm (Gar.)</i>	Z	4	40XH	L	z
17PBZKVZ	Course Water Rescue <i>Pavel Böhm, Tomáš Miler Tomáš Miler Tomáš Miler (Gar.)</i>	Z	4	40XH	L	z
17PBZMAZ	Management and Administration in Healthcare <i>Jiří erný Jiří erný Jiří erný (Gar.)</i>	KZ	1	1P	L	z
17PBZMKS	Medicine of Crisis Situations <i>Pavel Böhm, Denisa Charlotte Ralbovská Pavel Böhm (Gar.)</i>	KZ	1	2P	Z	z
17PBZMBP	Methodics of Bachelor Thesis <i>Monika Donevová Monika Donevová Monika Donevová (Gar.)</i>	Z	1	0.5C	L	z
17PBZMVP	Methodology of Scientific Research <i>Monika Donevová, Leoš Navrátil Leoš Navrátil Leoš Navrátil (Gar.)</i>	Z	1	1P+1S	Z	z
17PBZBN	Neurology <i>Tomáš Nedíka Tomáš Nedíka Tomáš Nedíka (Gar.)</i>	ZK	2	2P	Z	z
17PBZOPA1	Emergency and Critical States Nursing I <i>Pavel Böhm Pavel Böhm Pavel Böhm (Gar.)</i>	Z	2	1P+2C	L	z
17PBZOPA2	Emergency and Critical States Nursing II <i>Pavel Böhm Pavel Böhm Pavel Böhm (Gar.)</i>	Z,ZK	3	1P+2C	Z	z
17PBZOP1	Nursing in Emergency Care I.	Z	2	2C	L	z
17PBZOP2	Nursing in Emergency Care II. <i>Pavel Böhm Pavel Böhm Pavel Böhm (Gar.)</i>	KZ	2	2C	Z	z
17PBZPE	Pediatrics <i>Tomáš Rosík Tomáš Rosík Tomáš Rosík (Gar.)</i>	KZ	2	1P+1C	L	z
17PBZPUS	Supervised Practical Training During the Semester - Introductory Workshop <i>Pavel Böhm</i>	Z	3	80XH	Z	z
17PBZPV1	Supervised Practical Training During the Semester I <i>Martina Dingová Šlíková, Lucie Lidická, Eva Veverková Eva Veverková Martina Dingová Šlíková (Gar.)</i>	Z	4	12C	Z	z
17PBZPV2	Supervised Practical Training During the Semester II <i>Martina Dingová Šlíková, Eva Veverková Eva Jandová Martina Dingová Šlíková (Gar.)</i>	Z	2	8C	L	z
17PBZPV3	Supervised Practical Training During the Semester III <i>Pavel Böhm, Martina Dingová Šlíková Martina Dingová Šlíková (Gar.)</i>	Z	2	200XH	Z	z
17PBZPV4	Supervised Practical Training During the Semester IV <i>Pavel Böhm, Martina Dingová Šlíková Pavel Böhm (Gar.)</i>	Z	2	8C	L	z
17PBZPSB1	Block Practical Training During the Semester I <i>Pavel Böhm Pavel Böhm (Gar.)</i>	Z	4	120XH	L	z
17PBZPSB2	Block Practical Training During the Semester II <i>Pavel Böhm Pavel Böhm (Gar.)</i>	Z	2	160XH	L	z
17PBZPSB3	Block Practical Training During the Semester III <i>Pavel Böhm Pavel Böhm (Gar.)</i>	Z	2	160XH	Z	z
17PBZPSB4	Block Practical Training During the Semester IV <i>Pavel Böhm, Martina Dingová Šlíková Pavel Böhm Pavel Böhm (Gar.)</i>	KZ	8	200XH	L	z
17PBZPSO1	Professional Self-Defense I <i>Jiří Drnek Jiří Drnek (Gar.)</i>	Z	1	2C	Z	z
17PBZPSO2	Professional Self-Defense II	Z	1	2C	L	z
17PBZPTV1	Professional Physical Education I - Fitness <i>Zdeněk Valjent Zdeněk Valjent Zdeněk Valjent (Gar.)</i>	Z	2	2C	Z	z
17PBZPTV2	Professional Physical Education II - Improvement of Physical Abilities <i>Zdeněk Valjent</i>	Z	1	2C	L	z
17PBZPTV3	Professional Physical Education III - Mountaineering <i>Daniel Hynek Roman Tomík Daniel Hynek (Gar.)</i>	Z	1	2C	Z	z
17PBZPTV4	Professional Physical Education IV - Swimming	Z	1	2C	L	z
17PBZPPM	First Aid, Methodology of First Aid <i>Pavel Böhm Pavel Böhm Pavel Böhm (Gar.)</i>	Z,ZK	3	1P+1C	Z	z
17PBZPCH	Infectious Diseases, Basic Microbiology, Hygiene, Epidemiology and Immunology <i>Taána Jarošíková, Hana Kalábová Taána Jarošíková Taána Jarošíková (Gar.)</i>	Z,ZK	2	1P+1C	Z	z
17PBZPK1	Psychology of Disaster and Crisis Communication I. <i>Tibor Brečka Tibor Brečka Tibor Brečka (Gar.)</i>	Z	1	1C	L	z
17PBZPK2	Psychology of Disaster and Crisis Communication II. <i>Tibor Brečka Tibor Brečka Tibor Brečka (Gar.)</i>	KZ	1	1C	Z	z
17PBZRO	Radiation Protection <i>Jana Hudzietzová Jana Hudzietzová Jana Hudzietzová (Gar.)</i>	KZ	1	1P	L	z

17PBZRSZS	Emergency Services Radiocommunication Systems <i>Milan Šnajder Milan Šnajder Milan Šnajder (Gar.)</i>	KZ	1	1P+1C	Z	z
17PBZRRD	Radiology and Radiodiagnostics <i>Jana Hudzietzová Jana Hudzietzová (Gar.)</i>	KZ	1	1P	L	z
17PBZRT1	Respiratory Therapy I. <i>Jan Pokorný, Karel Roubík, Martin Rožánek Valeriia Trukhan Jan Pokorný (Gar.)</i>	Z	2	2P+1C	Z	z
17PBZRT2	Respiratory Therapy II. <i>Jan Pokorný Jan Pokorný (Gar.)</i>	Z,ZK	2	2P+1C	L	z
17PBZSL	Forensic Medicine <i>Radek Matlach Radek Matlach Radek Matlach (Gar.)</i>	KZ	2	1P+1C	Z	z
17PBZTPP	Techniques in the Prehospital and Hospital Emergency Care <i>Jan Pokorný, Martin Rožánek Martin Rožánek Jan Pokorný (Gar.)</i>	Z,ZK	2	2P+2C	L	z
17PBZTOP1	Theory of Nursing and Nursing Methods I. <i>Martina Dingová Šliková Martina Dingová Šliková Martina Dingová Šliková (Gar.)</i>	Z	3	2P+1C	Z	z
17PBZTOP2	Theory of Nursing and Nursing Methods II. <i>Martina Dingová Šliková Martina Dingová Šliková Martina Dingová Šliková (Gar.)</i>	Z,ZK	2	2P+1C	L	z
17PBZUM1	Emergency Medicine I. <i>Jan B íza Jan B íza Jan B íza (Gar.)</i>	Z	2	2P+1C	Z	z
17PBZUM2	Emergency Medicine II. <i>Jan B íza, Lukáš Handl Robert Pleskot Jan B íza (Gar.)</i>	Z	2	2P+1C	L	z
17PBZUM3	Emergency Medicine III and War Surgery <i>Robert Pleskot, Jan B íza Robert Pleskot Jan B íza (Gar.)</i>	Z,ZK	4	2P+1C	Z	z
17PBZUZP	Medical Psychology and Stress Management <i>Tibor Bre ka Tibor Bre ka Tibor Bre ka (Gar.)</i>	KZ	1	1P+1C	Z	z
17PBZVZ	Basics of Public Health and Legislation in Health Care <i>Jan B íza</i>	KZ	1	1P	L	z
17PBZVLG1	<i>Leoš Navrátil, Tomáš He man Leoš Navrátil Leoš Navrátil (Gar.)</i>	Z	3	2P+2C	Z	z
17PBZVLG2	Internal Medicine and Geriatrics II <i>Leoš Navrátil, Tomáš He man Leoš Navrátil Leoš Navrátil (Gar.)</i>	Z,ZK	3	2P+1C	L	z
17PBZZEK	Basics of Economics and Management Health Care <i>Petra Hospodková Petra Hospodková Petra Hospodková (Gar.)</i>	KZ	2	2P	Z	z
17PBZZFAR	Fundamentals of Pharmacology <i>Blanka Bláhová Blanka Bláhová (Gar.)</i>	ZK	2	2P	Z	z
17PBZZLCH	Fundamentals of Medical Chemistry and Biochemistry <i>Zden k Hon, Jaroslav Racek Martin Stan k Jaroslav Racek (Gar.)</i>	Z,ZK	2	1P+1C	Z	z
17PBZZOT	Fundamental Professional Terminology <i>Dana Rebeka Ralbovská</i>	KZ	2	2C	Z	z
17PBZZPF	Fundamental Pathophysiology <i>Tomáš He man, Tomáš He man Tomáš He man Tomáš He man (Gar.)</i>	ZK	2	2P	Z	z
17PBZZPA	Fundamentals of Pathology <i>Miloš Sokol Ivan Dylevský Ivan Dylevský (Gar.)</i>	ZK	2	2P	Z	z
17PBZZPP	Fundamental Psychiatry and Psychotherapy <i>Dana Rebeka Ralbovská Dana Rebeka Ralbovská Dana Rebeka Ralbovská (Gar.)</i>	Z,ZK	2	2P+1C	L	z
17PBZZPK	Fundamentals of the Psychotherapeutic Approach and Communication with the Patient <i>Tibor Bre ka Tibor Bre ka Tibor Bre ka (Gar.)</i>	Z	1	2C	L	z
17PBZZSI	Basics of Statistics and Informatics <i>Marek Piorecký, Hana Schaabová, Vladimír Rogalewicz Hana Schaabová Vladimír Rogalewicz (Gar.)</i>	KZ	3	1P+2C	Z	z
17PBZZTX	Fundamentals of Toxicology <i>Zden k Hon Zden k Hon (Gar.)</i>	KZ	1	1P	L	z
17PBZZBF	Medical Biophysics <i>Jana Hudzietzová, Jozef Rosina Jozef Rosina Jozef Rosina (Gar.)</i>	ZK	2	1P	Z	z
17PBZZL	Health Legislation <i>Ivana Kubátová, Peter Kneppo, Ond ej Gajdoš, Vojt ch Kamenský Vojt ch Kamenský Peter Kneppo (Gar.)</i>	Z,ZK	2	2P	Z	z
17PBZZVK	Winter Training Course	Z	1	7XD	Z	z
17PBZZPZ	Exam: Practical Skills in the Paramedic Profession <i>Jan Pokorný, Pavel Böhm, Tomáš He man, Dana Rebeka Ralbovská, Daniela Obítková Pavel Böhm Jan Pokorný (Gar.)</i>	ZK	6	40XH	L	z

Characteristics of the courses of this group of Study Plan: Code=17PBZ POV 14 Name=Paramedic compulsory course 14

17PBZARI1	Anaesthesiology, resuscitation and intensive care I	Z	2
The course focuses on the care of patients with the withdrawal / failure of vital functions and the specific and highly professional approach in the care of critically ill patients. In the field of anaesthesiology to the listener familiar with the basic procedures of both total and local anesthesia, the requirements for preoperative preparation, intraoperative and postoperative care and pain treatment options.			
17PBZARI2	Anaesthesiology, resuscitation and intensive care II	Z	2
The goal is to care for patients with discarded / failing basic life functions, in terms of specific and highly specialized approaches to the care of critically ill patients. In the Intensive Care focuses attention on the fundamentals of diagnosis, principles of continuous monitoring, care and treatment of patients with failing vital functions and the possibility of bioengineering substitution failing vital functions.			

17PBZAR13	Anesthesiology, resuscitation and intensive care III	Z,ZK	3
The goal is to care for patients with dicarded/failing basic life functions, in terms of specific and highly specialized approaches to the care of critically ill patients. In the field of resuscitation and intensive care focuses attention on the fundamentals of diagnosis, principles of continuous monitoring care and treatment of patients with failing vital functions and the possibility of bioengineering substitution failing vital functions			
17PBZBP	Bachelor Thesis	Z	4
Individual work study student at the end of the BSP, ie at 6 semester when the student has demonstrated the ability to independently and comprehensively handle the topic of the lessons learned during undergraduate studies. The theme of work, the student selects the topics offered doctoral department. The work of the students to write at the beginning of the sixth semester. The cast work this semester and will defend. BP is part of the defense Bachelor State Examination (BSZZ). The work can develop and defend in the English language.			
17BOZP	Occupational Safety and Health, Fire Protection and First Aid	Z	0
17PBZCHT1	Surgery and Traumatology I	Z	2
17PBZCHT2	Surgery and Traumatology II	ZK	2
Acquaints students with general and special surgery, the operating process and the various types of surgical departments. It also includes some special topics in surgery and traumatology. The course is divided into two stages. While in the first stage, attention is focused on general problems of surgery, the second phase deals with the Special Surgery and Traumatology in the head and neck, thoracic and abdominal surgery, urology, trauma, thermal trauma surgery and plastic surgery.			
17PBZEZ	Ethics in Healthcare	KZ	2
Subject introduces students to fundamental ethical issues in applied ethics due to future professional orientation. It develops students' ability to think in ethical contexts, discuss, argue and defend their views in ethical dilemma situations, which brings medical environment.			
17PBZFA1	Functional Anatomy I	Z	4
The course focuses on the integration of traditional disciplines of anatomy, microscopic anatomy and developmental morphology of functional disciplines - physiology. The course helps to understand the relationship between structure and function of the human body. Teaching follows the modern trend of teaching the direct linkage of morphology and function of individual systems. Seminary training is closely linked to the topics of lectures, and connected with practical exercises. It is strongly problem-oriented and uses the activation methods to increase student motivation. Of course, the use of modern multimedia programs (eg, ADAM, etc.). After the theoretical and practical, the main emphasis on the morphology and function of vital organs and the systems that are vulnerable to radiation and toxic substances.			
17PBZFA2	Functional Anatomy II	Z,ZK	3
17PBZGP	Gynaecology and Obstetrics	ZK	2
The course is conceived as mostly theoretical. The practical unit builds on the foundations of anatomy, physiology and pathology of female reproductive organs, in which the rescuer is to acquire knowledge and skills in caring for women focusing on all periods of her life. The course is divided into two parts. The first part is focused on gynecology and acquaints students with the differences of multidisciplinary care in primary, secondary and tertiary health care. Particular attention is given to sudden gynecological diseases. The second part deals with pregnancy and subsequent confinement.			
17PBZIPP3	Individual Block Practice III	Z	3
The course is based on the Decree 55/2011 Coll., Which sets out the activities of health workers and other professionals. Practice will be held in the block on inpatient workplaces, workplaces providing emergency care and having the character of an acute intake. Departments: Gynecology - Department of Obstetrics, Neonatology, pediatric ward			
17PBZIPP1	Individual Summer Practice I	Z	4
17PBZIPP2	Individual Summer Practice II	Z	2
The course is based on the Decree No. 424/2004 Coll. That the activities of health workers and other professionals. Practice will take place in a block of four weeks during the holidays at the end of second year. The aim is to gain practical skills and knowledge in pre-hospital emergency care in situations characteristic of the ur-gent, war medicine and emergency situations in cooperation with the components of the integrated rescue system, in briefings to provide general first aid, including mentoring at a distance, the driving, navigation additional knowledge and skills.			
17PBZISZ	Information Systems in Health Care	KZ	2
The scope of the subject is teaching of method of planning and implementation of application of information technologies in health services. In the introduction, the student will be acquainted with problems of database systems in general. These are particularly hospital information systems, manager information systems, integration of healthcare information systems, implementation of systems for connection to the individual electronic health book, i.e. implementation of the interface between the information systems and health book, systems for planning visits of patients and supporting associated processes (which can be integrated into hospital integration systems), laboratory information systems, facility management, PACS, DICOM, electronic archives, data storing and also outsourcing, which is one of variants how to effectively solve problems of hospitals having enhanced requirements for personal, financial and knowledge sources in innovation and administration of information systems. Attestation of information systems according to Law No. 365/2000 Sb. - support and safety of information systems in healthcare. eHealth - priority of the programme eEurope and crucial application for wide-band initiative.			
17PBZISZ	Integrated Emergency Services and Crisis Management	KZ	2
To acquaint students with the legislative basis and scope of the IRS in the Czech Republic. Content is focused on the proportion of basic and other components of IRS in the practical arrangements to deal with emergencies in the territory. In addition to the general principles of prevention, planning and preparing for these situations, the emphasis is on practical solutions to the rescue and relief work and protect the population in non-military crisis. Students will also be familiar with the principles of tactical and operational procedures to deal with emergencies, explained the plan for IRS muster.			
17PBZKP	Clinical Propedeutics	Z,ZK	3
Theoretical - practical subject, which is part of the complex subjects of teaching and clinical nursing practice and skills. It contains comprehensive information on the symptomatology of the disease and the possibilities of physics, instrumentation and laboratory tests. It teaches students to evaluate the current status of the patient's particular condition and vital signs, and vote on the basis of a rational approach in practice in emergency care. PoslechFonetický p epis			
17PBZKZ	Communication in Healthcare	KZ	1
17PBZKHZ	Course Mountain Rescue Service	Z	1
The goal is to give students a comprehensive overview of the mountain rescue, which is discussed in detail the issue of avalanches, accidents in mountainous terrain, searching for victims in an avalanche and a substantial part is also dedicated to high altitude and expedition medicine. The second part of the course is devoted to practical exercises, where students learn basic skills related to mountain rescues, such as launching and retrieval of unwounded podv sovém evacuation bag and seat or manipulations podchlazeným.			
17PBZKPSP	Traffic Code Course, Theory of Driving and Navigation Practice	ZK	4
Act No. 96/2004 Coll. and Decree 55/2011 Coll. lists the resources of medical rescuers in PNP and NNP in outfits. These work activities are already aligned with the EU working environment.			
17PBZKCBRNE	Course in Issues of CBRNE	Z	4
17PBZKVZ	Course Water Rescue	Z	4
17PBZMAZ	Management and Administration in Healthcare	KZ	1
The structure of the sector. Models of health financing. Types and description of typical workplaces and health care workers. Interdisciplinarity as a prerequisite for the current health care. The architecture of medical devices and their development. The structure, functions and activities of hospitals in terms of patient and in terms of health workers. Administration of diagnostic and therapeutic process. Planning of diagnostic procedures - optimizing. Planning of complex therapeutic procedures. Administration technical support of medical facilities.			
17PBZMKS	Medicine of Crisis Situations	KZ	1

17PBZMBP	Methodics of Bachelor Thesis	Z	1
The course should instill the proper way to handle the thesis, introduce them to basic requirements for the bachelor's typographical work and to familiarize them with modern methods of work with information sources and collect information, good practice to explain the presentation of results and enable them to learn the principles of information ethics and proper use bibliographic citations.			
17PBZMVP	Methodology of Scientific Research	Z	1
The aim of the course is to acquaint students with the basics of science - from the organization of scientific activities in the Czech Republic and abroad, through the organization of grant agencies, the way of acquiring information through literature, Internet and other information resources to its own principles of scientific work - how to handle literature searches, how to proceed processing tasks, how to critically evaluate the results, as process, as presented (oral communication in lectures, seminars, poster communication, a written presentation). Because students learn in detail how to present the results of scientific work will be able to use all this knowledge and the processing of its own thesis.			
17PBZN	Neurology	ZK	2
Subject neurology in relation to the knowledge of anatomy, physiology, pathophysiology and pharmacology focusing attention on basic pathophysiological phenomena, namely the central and peripheral movement disorders, sensory disturbances, autonomic activity and seizure manifestations. In detail, it deals mainly with issues of acute stroke, seizures, headaches, algic vertebral syndromes and neuromuscular disorders. At the same time students learn the basic investigative procedures, including neurological and neurophysiological neuroradiologických auxiliary methods. Are discussed in detail the diagnostic and therapeutic algorithms, with special attention to the PNP and the OUP.			
17PBZOPA1	Emergency and Critical States Nursing I	Z	2
The course consists of theoretical and practical basis for providing emergency medical care of nursing as a rescuer in the prehospital and hospital care for all age groups. The course is laid special emphasis on performance and actions aimed at saving lives and other priority processes. The course also introduces the work and organizational principles of emergency care not only of individual patients, but the bulk of the wounded, sick or affected.			
17PBZOPA2	Emergency and Critical States Nursing II	Z,ZK	3
This course provides and develops theoretically and practically oriented instructive knowledge and skills to care for patients in critical condition, both for individual patients, as well as the bulk of the wounded, sick or affected, at the emergency department and in the pre-hospital stage.			
17PBZOP1	Nursing in Emergency Care I.	Z	2
17PBZOP2	Nursing in Emergency Care II.	KZ	2
The goal is demonstration, training and acquisition of nursing procedures specific to paramedic job in the acute prehospital and hospital care. The course builds on the concepts of the course Fundamentals of Nursing and Nursing Procedures in Emergency Care I.			
17PBZPE	Pediatrics	KZ	2
The subject building on the knowledge of anatomy, physiology, pathophysiology, pharmacology, internal medicine and surgery places particular emphasis on specific diseases of childhood. The aim is to acquaint students with the basics of preventive and therapeutic targeting of Paediatrics with special emphasis on acute, life-threatening conditions. Students must be familiar with the causes and symptoms characteristic of acute conditions that directly threaten the lives of children, their differential diagnosis and effective practices in emergency aid, particularly in the prehospital phase.			
17PBZPUS	Supervised Practical Training During the Semester - Introductory Workshop	Z	3
The content of the subject is based on Decree No. 55/2011 Coll., which specifies the activities of healthcare workers and other professionals. Learning outcomes of the course unit The aim of the Seminar Seminar - introductory course is to get acquainted with the work of medical rescuers both in pre-hospital emergency care and in hospital emergency care and in all other areas where the medical rescue worker can work. The course also introduces students to the basics of the integrated rescue system and its function in the preparation and solution of an emergency.			
17PBZPV1	Supervised Practical Training During the Semester I	Z	4
17PBZPV2	Supervised Practical Training During the Semester II	Z	2
17PBZPV3	Supervised Practical Training During the Semester III	Z	2
The course is based on the Decree .55/2011 that activities of medical staff and other specialists. The aim of the practice is practice, acquisition and consolidation of nursing activities in accordance with the theoretical and practical instruction. Students gradually acquire the skill to engage in favor of others, show tact and empathy, to act in accordance with the ethical, legal and social principles, respect the socio-cultural differences, completed his prejudices. The practice is led by a registered health care professional. Part of the course are internships. Workplace: Coronary ICU, Cardiac ICU, cardiovascular ICU, surgical ICU unit for intensive night recovery, neurological ICU, burn ICU, trauma (trauma) ICU, respiratory ICU, geriatric ICU, metabolic ICU, neonatal ICU, children's (pediatric) intensive care unit, psychiatric intensive care unit, dialysis unit			
17PBZPV4	Supervised Practical Training During the Semester IV	Z	2
The course is based on the Ministry of Health Decree No. 55/2011 which sets out the activities of health workers and other professionals. The aim of the training experience, learning and attachment theoretical and practical knowledge in relation to teaching in the first year. Students gradually integrate the acquired knowledge and skills and uses them to posupnému knowledge of the pre-hospital emergency care in situations specific to emergency medicine and emergency situations in cooperation with the components of IRS.			
17PBZPSB1	Block Practical Training During the Semester I	Z	4
17PBZPSB2	Block Practical Training During the Semester II	Z	2
The course is based on the Ministry of Health Decree No. 55/2011 which sets out the activities of health workers and other professionals. Practice will take place in the block during the holidays at the end of second year. The aim is to gain practical skills and knowledge in pre-hospital emergency care in situations specific to urgent wartime medicine and emergency situations in cooperation with the components of the integrated rescue system, in briefings to provide general first aid, including mentoring at a distance of driving, navigating and other knowledge skills. Department: EMS			
17PBZPSB3	Block Practical Training During the Semester III	Z	2
The subject is based on the Decree No. 424/2004 Coll. that the activities of health workers and other professionals. The course is practical learning activities and use of theoretical knowledge in the care of patients. Another aim is to gradually adapt to work in your chosen field, working to learn the procedures for treating patients. Practice will take place in a block of 3 weeks (8 hours daily), at workplaces that provide emergency care and having the character of acute admission.			
17PBZPSB4	Block Practical Training During the Semester IV	KZ	8
17PBZPSO1	Professional Self-Defense I	Z	1
Mastering fundamentals of self-defense, focusing on Aikido, Judo and Karate			
17PBZPSO2	Professional Self-Defense II	Z	1
17PBZPTV1	Professional Physical Education I - Fitness	Z	2
The goal is to strengthen training and learning different body parts.			
17PBZPTV2	Professional Physical Education II - Improvement of Physical Abilities	Z	1
17PBZPTV3	Professional Physical Education III - Mountaineering	Z	1
The goal is to strengthen training and learning different body parts.			
17PBZPTV4	Professional Physical Education IV - Swimming	Z	1
17PBZPPM	First Aid, Methodology of First Aid	Z,ZK	3
The course gives a brief overview of the main principles and procedures for the provision of emergency first aid with special reference to the procedures for failure of vital functions and immediately life-threatening conditions. The tasks of the course are included situations of mass affected in crisis situations and emergencies, including CBRN phenomenon. After successful completion of this course the student should be able to independently diagnose failure of vital functions, recognize the state of imminent danger to life, perform basic emergency resuscitation and provide emergency first aid.			

17PBZPCH	Infectious Diseases, Basic Microbiology, Hygiene, Epidemiology and Immunology The student is thoroughly familiar with the methods used for field work in epidemiology of communicable diseases, as well as in environmental epidemiology, disease non-infectious origin and methods of work en solution used in the field of epidemiology of communicable diseases, as well as in environmental epidemiology, disease non-infectious origin, and address a number of priorities for public health.	Z,ZK	2
17PBZPK1	Psychology of Disaster and Crisis Communication I.	Z	1
17PBZPK2	Psychology of Disaster and Crisis Communication II.	KZ	1
17PBZRO	Radiation Protection	KZ	1
17PBZRSZS	Emergency Services Radiocommunication Systems The aim of the course is to acquaint students with basic principles of communications equipment and connections, a way of serving them and the principles and rules of operation.	KZ	1
17PBZRRD	Radiology and Radiodiagnostics This course is an introduction to the basic imaging methods that are used in radio-diagnostics. In addition to an overview of investigative techniques, students will have knowledge of the risk field, radiation protection, preparing patients for examination and the RDG RDG basic examination. The aim is to understand the problems of radiological fields and orientation in basic investigative techniques.	KZ	1
17PBZRT1	Respiratory Therapy I. There is currently no specialist in the CR field of study that would provide comprehensive training in respiratory therapy, which includes a qualified assessment of the patient, care and treatment of artificial ventilation in cardiorespiratory failure system states with depression or pharmacological inhibition of neuromuscular transmission.	Z	2
17PBZRT2	Respiratory Therapy II. There is currently no specialist in the CR field of study that would provide comprehensive training in respiratory therapy, which includes a qualified assessment of the patient, care and treatment of artificial ventilation in cardiorespiratory failure system states with depression or pharmacological inhibition of neuromuscular transmission.	Z,ZK	2
17PBZSL	Forensic Medicine The course acquaints students with basic knowledge in the field of forensic medicine in relation to legislative and medico-legal issues, knowledge in the modern and the rule of law becomes a necessity of every health care professional.	KZ	2
17PBZTPP	Techniques in the Prehospital and Hospital Emergency Care	Z,ZK	2
17PBZTOP1	Theory of Nursing and Nursing Methods I. The course is designed as a theoretical and practical foundation degree paramedic program. Systemically defines nursing as a separate discipline of modern science, with its own philosophy, value system, subject to review, theoretical models, standard terminology, classification systems and methodologies. It introduces the historical development of nursing with a multicultural dimension to the field and current trends that are related to improving the effectiveness of health systems. The course is also focused on the active acquisition of knowledge, skills, habits and work patterns necessary to treat patients of all ages in hospital care.	Z	3
17PBZTOP2	Theory of Nursing and Nursing Methods II. The course is designed theoretically and practically-oriented active knowledge and the knowledge, skills and work habits necessary to treat patients only in hospitals but also the pre-hospital practice. This student must be equipped with the necessary manual skills and confidence to safely and making professional-quality performance and procedures with respect to individual patient needs and current situation in which it is located.	Z,ZK	2
17PBZUM1	Emergency Medicine I. Emergency medicine is a multidisciplinary field dealing with issues of diagnosis, primary and urgent care and treatment of sudden life-threatening conditions, acute illnesses and injuries immediately to their place of origin, during transport affected by land, air or water resources emergency medical services (EMS) and the transition of prehospital emergency care in hospital. The course is conceived as theoretical-practical for a paramedic unit from the didactic point of view is divided into three blocks: Part I focuses on the diagnosis, initial treatment and treatment of sudden life-threatening condition immediately to the location, during transport to the affected destination medical facility, the transition from hospital to prehospital emergency care in hospital and emergency care (NNP). II. block deals with emergency medicine in terms of disaster medicine, ie focusing on the incidence of multiple disabilities in mass disasters, in emergency situations, disaster relief and non-military crisis situations. Block III is focused on emergency medicine in emergency conditions and learning the principles Barts (Battlefield Advacenced Resuscitation Techniques and Skills).	Z	2
17PBZUM2	Emergency Medicine II. CPR, ABCDE	Z	2
17PBZUM3	Emergency Medicine III and War Surgery III. block emergency medicine course is focused on the field in extraordinary circumstances. In this context, plays a special role in learning the principles Barts (Battlefield Advacenced Resuscitation Techniques and Skills).	Z,ZK	4
17PBZUZP	Medical Psychology and Stress Management Health Psychology builds on the knowledge of general and social psychology. The course focuses in detail on the findings that relate to health psychology, clinical psychology, the application of psychological knowledge in the health and psychological care for the sick. Stress affects the management of stress and coping with stress in the helping professions, psychosocial problems, posttraumatic stress response and psychological first aid after disasters and accidents. The aim is to inform the teaching of the essential psychological problems and rescued saving and prepare students for specific behaviors and reactions of individuals and groups in life-threatening situations.	KZ	1
17PBZVZ	Basics of Public Health and Legislation in Health Care	KZ	1
17PBZVLG1		Z	3
17PBZVLG2	Internal Medicine and Geriatry II	Z,ZK	3
17PBZZEK	Basics of Economics and Management Health Care	KZ	2
17PBZZFAR	Fundamentals of Pharmacology	ZK	2
17PBZZLCH	Fundamentals of Medical Chemistry and Biochemistry The course focuses on acquainting students with the basics of chemistry and biochemistry to clarify the chemical structure, properties and reactions of substances that form the basis of living organisms. It is focused on the principles of textile and energy transformations in organisms. The goal is to learn the basics of Medical Chemistry and Biochemistry and descriptive understanding of autonomous and coupled metabolic processes associated with exchange of materials and energy gain and subject to regulatory ovliv ování.seminá ích.	Z,ZK	2
17PBZZOT	Fundamental Professional Terminology	KZ	2
17PBZZPF	Fundamental Pathophysiology	ZK	2
17PBZZPA	Fundamentals of Pathology	ZK	2
17PBZZPP	Fundamental Psychiatry and Psychotherapy During the course students will gradually learn the basics of psychology and psychiatry, especially psychiatric aspects of the interaction of medical professionals and patients, as well as relationships with significant people from the patient's social environment. Students will learn the general, developmental and social psychology and personality psychology that are relevant to their professional work. The greatest attention is paid to the psychological aspects of individual situations where the patient or his relatives face: interview procedures are discussed with the patient and his loved ones, mental health care for ambulatory and hospitalized patients, access to psychological aspects of pain and psychosomatic disorders, anxiety and fear aggression, the issue of dying, death and bereavement, etc. Part of teaching is devoted to mental health crises and burn-out syndrome. The aim of lectures and exercises is to give students a basic overview of trends in psychology and psychiatry, who may in their professional practice to meet and whose assistance may be used for working with clients. Students acquire basic knowledge about the basic directions in psychology and psychiatry used in practice. The practical exercises will be used in a number of case studies, examples, and attachments, showing the application, topics in medical practice.	Z,ZK	2

17PBZZPK	Fundamentals of the Psychotherapeutic Approach and Communication with the Patient	Z	1
The purpose of the course is to improve the training and subsequent professional communication with patients, their relatives and other persons in difficult life situations with which the nurse comes into professional contact, with an emphasis on problem types of personalities. The subject will be practicing empathy, interpretation, feedback, identification, transference and counter, authentic manner. Another aim is to support practicing psychotherapeutic approach. Due to the limited scope can not managing to various forms of psychotherapy and specific psychotherapeutic techniques, information about them will be given only a brief summary.			
17PBZZSI	Basics of Statistics and Informatics	KZ	3
17PBZZTX	Fundamentals of Toxicology	KZ	1
Study the subject of toxicology as a multidisciplinary science that focuses on examining the negative impact of chemicals on living organisms. Students will learn the most important chemicals that can cause poisoning organism, the principles of aid measures and specific symptomatic. This course will be relationship between the chemical and its toxicity, toxicokinetics, toxic interactions with the organism and clinical manifestations of intoxication. In the special part the emphasis is on poisons that lead to frequent the most dangerous poisons and poisoning (carbon monoxide, ethanol, drugs, pharmaceuticals, inorganic plant poisons and toxins).			
17PBZZBF	Medical Biophysics	ZK	2
The goal is to obtain basic information about the nature of the effects of physical factors on the organism. Further clarify the basic biophysical principles of physiological and pathophysiological processes and processes in the human body and explain the basic mechanisms of the effects of selected physical factors on living systems, focusing on electricity, optical radiation, ultrasound, ionizing radiations, biophysics of organs and tissues.			
17PBZZL	Health Legislation	Z,ZK	2
17PBZZVK	Winter Training Course	Z	1
17PBZZPZ	Exam: Practical Skills in the Paramedic Profession	ZK	6

Name of the block: Compulsory elective courses

Minimal number of credits of the block: 2

The role of the block: S

Code of the group: 17PBZ PV 1S 14

Name of the group: Paramedic compulsory optional course 1st semester 14

Requirement credits in the group: In this group you have to gain at least 2 credits (at most 4)

Requirement courses in the group: In this group you have to complete at least 1 course (at most 2)

Credits in the group: 2

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) <i>Tutors, authors and guarantors (gar.)</i>	Completion	Credits	Scope	Semester	Role
17PBZZAOT	Elementary english professional terminology	KZ	2	2C	Z	s
17PBZZROT	Fundamental Russian Professional Terminology <i>Yulia uprová</i>	KZ	2	2C	Z	s

Characteristics of the courses of this group of Study Plan: Code=17PBZ PV 1S 14 Name=Paramedic compulsory optional course 1st semester 14

17PBZZAOT	Elementary english professional terminology	KZ	2
The aim of the course is to introduce the basic medical vocabulary. Students are learning to use vocabulary related to the fields of anatomy, first aid, illnesses, hospital facilities and departments.			
17PBZZROT	Fundamental Russian Professional Terminology	KZ	2
Subject "Russian Language - terminology I and II is designed for students who want to learn how to use the Russian language, or you want to repeat, deepen and broaden knowledge of Russian language. In the first part of the course (terminology I) individual topics covering the main areas General Communication (normal turnover, human, school orientation in the city, attractions, dining, culture, sports, hobbies, travel, etc.). The lessons are basically the same layout. starting from the recommended minimum for verbal subjects, which are intended to practice and this material is reflected in these dialogues that capture the realities of everyday life. The exercises are aimed at practicing and reinforcing the vocabulary and grammar partly related to the topic. Emphasis is placed on the active use of Russian language, understand the similarities and differences in Czech and Russian The ability to communicate in the most common situations and prompt expression. In the second part of the course (II terminology), the students are taught specialized terms in different areas (radiology, toxicology, emergency preparedness), belonging to the field of crisis management.			

List of courses of this pass:

Code	Name of the course	Completion	Credits
17BOZP	Occupational Safety and Health, Fire Protection and First Aid	Z	0
17PBZAR11	Anaesthesiology, resuscitation and intensive care I	Z	2
The course focuses on the care of patients with the withdrawal / failure of vital functions and the specific and highly professional approach in the care of critically ill patients. In the field of anaesthesiology to the listener familiar with the basic procedures of both total and local anesthesia, the requirements for preoperative preparation, intraoperative and postoperative care and pain treatment options.			

17PBZARI2	Anaesthesiology, resuscitation and intensive care II	Z	2
The goal is to care for patients with discarded / failing basic life functions, in terms of specific and highly specialized approaches to the care of critically ill patients. In the Intensive Care focuses attention on the fundamentals of diagnosis, principles of continuous monitoring, care and treatment of patients with failing vital functions and the possibility of bioengineering substitution failing vital functions.			
17PBZARI3	Anaesthesiology, resuscitation and intensive care III	Z,ZK	3
The goal is to care for patients with discarded/failing basic life functions, in terms of specific and highly specialized approaches to the care of critically ill patients. In the field of resuscitation and intensive care focuses attention on the fundamentals of diagnosis, principles of continuous monitoring care and treatment of patients with failing vital functions and the possibility of bioengineering substitution failing vital functions			
17PBZBP	Bachelor Thesis	Z	4
Individual work study student at the end of the BSP, ie at 6 semester when the student has demonstrated the ability to independently and comprehensively handle the topic of the lessons learned during undergraduate studies. The theme of work, the student selects the topics offered doctoral department. The work of the students to write at the beginning of the sixth semester. The cast work this semester and will defend. BP is part of the defense Bachelor State Examination (BSZZ). The work can develop and defend in the English language.			
17PBZCHT1	Surgery and Traumatology I	Z	2
17PBZCHT2	Surgery and Traumatology II	ZK	2
Acquaints students with general and special surgery, the operating process and the various types of surgical departments. It also includes some special topics in surgery and traumatology. The course is divided into two stages. While in the first stage, attention is focused on general problems of surgery, the second phase deals with the Special Surgery and Traumatology in the head and neck, thoracic and abdominal surgery, urology, trauma, thermal trauma surgery and plastic surgery.			
17PBZEZ	Ethics in Healthcare	KZ	2
Subject introduces students to fundamental ethical issues in applied ethics due to future professional orientation. It develops students' ability to think in ethical contexts, discuss, argue and defend their views in ethical dilemma situations, which brings medical environment.			
17PBZFA1	Functional Anatomy I	Z	4
The course focuses on the integration of traditional disciplines of anatomy, microscopic anatomy and developmental morphology of functional disciplines - physiology. The course helps to understand the relationship between structure and function of the human body. Teaching follows the modern trend of teaching the direct linkage of morphology and function of individual systems. Seminary training is closely linked to the topics of lectures, and connected with practical exercises. It is strongly problem-oriented and uses the activation methods to increase student motivation. Of course, the use of modern multimedia programs (eg, ADAM, etc.). After the theoretical and practical, the main emphasis on the morphology and function of vital organs and the systems that are vulnerable to radiation and toxic substances.			
17PBZFA2	Functional Anatomy II	Z,ZK	3
17PBZGP	Gynaecology and Obstetrics	ZK	2
The course is conceived as mostly theoretical. The practical unit builds on the foundations of anatomy, physiology and pathology of female reproductive organs, in which the rescuer is to acquire knowledge and skills in caring for women focusing on all periods of her life. The course is divided into two parts. The first part is focused on gynecology and acquaints students with the differences of multidisciplinary care in primary, secondary and tertiary health care. Particular attention is given to sudden gynecological diseases. The second part deals with pregnancy and subsequent confinement.			
17PBZIPP1	Individual Summer Practice I	Z	4
17PBZIPP2	Individual Summer Practice II	Z	2
The course is based on the Decree No. 424/2004 Coll. That the activities of health workers and other professionals. Practice will take place in a block of four weeks during the holidays at the end of second year. The aim is to gain practical skills and knowledge in pre-hospital emergency care in situations characteristic of the ur-gent, war medicine and emergency situations in cooperation with the components of the integrated rescue system, in briefings to provide general first aid, including mentoring at a distance, the driving, navigation additional knowledge and skills.			
17PBZIPP3	Individual Block Practice III	Z	3
The course is based on the Decree 55/2011 Coll., Which sets out the activities of health workers and other professionals. Practice will be held in the block on inpatient workplaces, workplaces providing emergency care and having the character of an acute intake. Departments: Gynecology - Department of Obstetrics, Neonatology, pediatric ward			
17PBZISZ	Information Systems in Health Care	KZ	2
The scope of the subject is teaching of method of planning and implementation of application of information technologies in health services. In the introduction, the student will be acquainted with problems of database systems in general. These are particularly hospital information systems, manager information systems, integration of healthcare information systems, implementation of systems for connection to the individual electronic health book, i.e. implementation of the interface between the information systems and health book, systems for planning visits of patients and supporting associated processes (which can be integrated into hospital integration systems), laboratory information systems, facility management, PACS, DICOM, electronic archives, data storing and also outsourcing, which is one of variants how to effectively solve problems of hospitals having enhanced requirements for personal, financial and knowledge sources in innovation and administration of information systems. Attestation of information systems according to Law No. 365/2000 Sb. - support and safety of information systems in healthcare. eHealth - priority of the programme eEurope and crucial application for wide-band initiative.			
17PBZIZS	Integrated Emergency Services and Crisis Management	KZ	2
To acquaint students with the legislative basis and scope of the IRS in the Czech Republic. Content is focused on the proportion of basic and other components of IRS in the practical arrangements to deal with emergencies in the territory. In addition to the general principles of prevention, planning and preparing for these situations, the emphasis is on practical solutions to the rescue and relief work and protect the population in non-military crisis. Students will also be familiar with the principles of tactical and operational procedures to deal with emergencies, explained the plan for IRS muster.			
17PBZKCBRNE	Course in Issues of CBRNE	Z	4
17PBZKHZ	Course Mountain Rescue Service	Z	1
The goal is to give students a comprehensive overview of the mountain rescue, which is discussed in detail the issue of avalanches, accidents in mountainous terrain, searching for victims in an avalanche and a substantial part is also dedicated to high altitude and expedition medicine. The second part of the course is devoted to practical exercises, where students learn basic skills related to mountain rescues, such as launching and retrieval of unwounded podv sovém evacuation bag and seat or manipulations podchlazeným.			
17PBZKP	Clinical Propedeutics	Z,ZK	3
Theoretical - practical subject, which is part of the complex subjects of teaching and clinical nursing practice and skills. It contains comprehensive information on the symptomatology of the disease and the possibilities of physics, instrumentation and laboratory tests. It teaches students to evaluate the current status of the patient's particular condition and vital signs, and vote on the basis of a rational approach in practice in emergency care. PoslechFonetický p epis			
17PBZKPSP	Traffic Code Course, Theory of Driving and Navigation Practice	ZK	4
Act No. 96/2004 Coll. and Decree 55/2011 Coll. lists the resources of medical rescuers in PNP and NNP in outfits. These work activities are already aligned with the EU working environment.			
17PBZKVZ	Course Water Rescue	Z	4
17PBZKZ	Communication in Healthcare	KZ	1

17PBZMAZ	Management and Administration in Healthcare	KZ	1
The structure of the sector. Models of health financing. Types and description of typical workplaces and health care workers. Interdisciplinarity as a prerequisite for the current health care. The architecture of medical devices and their development. The structure, functions and activities of hospitals in terms of patient and in terms of health workers. Administration of diagnostic and therapeutic process. Planning of diagnostic procedures - optimizing. Planning of complex therapeutic procedures. Administration technical support of medical facilities.			
17PBZMBP	Methodics of Bachelor Thesis	Z	1
The course should instill the proper way to handle the thesis, introduce them to basic requirements for the bachelor's typographical work and to familiarize them with modern methods of work with information sources and collect information, good practice to explain the presentation of results and enable them to learn the principles of information ethics and proper use bibliographic citations.			
17PBZMKS	Medicine of Crisis Situations	KZ	1
17PBZMVP	Methodology of Scientific Research	Z	1
The aim of the course is to acquaint students with the basics of science - from the organization of scientific activities in the Czech Republic and abroad, through the organization of grant agencies, the way of acquiring information through literature, Internet and other information resources to its own principles of scientific work - how to handle literature searches, how to proceed processing tasks, how to critically evaluate the results, as process, as presented (oral communication in lectures, seminars, poster communication, a written presentation). Because students learn in detail how to present the results of scientific work will be able to use all this knowledge and the processing of its own thesis.			
17PBZN	Neurology	ZK	2
Subject neurology in relation to the knowledge of anatomy, physiology, pathophysiology and pharmacology focusing attention on basic pathophysiological phenomena, namely the central and peripheral movement disorders, sensory disturbances, autonomic activity and seizure manifestations. In detail, it deals mainly with issues of acute stroke, seizures, headaches, algic vertebral syndromes and neuromuscular disorders. At the same time students learn the basic investigative procedures, including neurological and neurophysiological neuroradiologických auxiliary methods. Are discussed in detail the diagnostic and therapeutic algorithms, with special attention to the PNP and the OUP.			
17PBZOP1	Nursing in Emergency Care I.	Z	2
17PBZOP2	Nursing in Emergency Care II.	KZ	2
The goal is demonstration, training and acquisition of nursing procedures specific to paramedic job in the acute prehospital and hospital care. The course builds on the concepts of the course Fundamentals of Nursing and Nursing Procedures in Emergency Care I.			
17PBZOPA1	Emergency and Critical States Nursing I	Z	2
The course consists of theoretical and practical basis for providing emergency medical care of nursing as a rescuer in the prehospital and hospital care for all age groups. The course is laid special emphasis on performance and actions aimed at saving lives and other priority processes. The course also introduces the work and organizational principles of emergency care not only of individual patients, but the bulk of the wounded, sick or affected.			
17PBZOPA2	Emergency and Critical States Nursing II	Z,ZK	3
This course provides and develops theoretically and practically oriented instructive knowledge and skills to care for patients in critical condition, both for individual patients, as well as the bulk of the wounded, sick or affected, at the emergency department and in the pre-hospital stage.			
17PBZPCH	Infectious Diseases, Basic Microbiology, Hygiene, Epidemiology and Immunology	Z,ZK	2
The student is thoroughly familiar with the methods used for field work in epidemiology of communicable diseases, as well as in environmental epidemiology, disease non-infectious origin and methods of work en solution used in the field of epidemiology of communicable diseases, as well as in environmental epidemiology, disease non-infectious origin, and address a number of priorities for public health.			
17PBZPE	Pediatrics	KZ	2
The subject building on the knowledge of anatomy, physiology, pathophysiology, pharmacology, internal medicine and surgery places particular emphasis on specific diseases of childhood. The aim is to acquaint students with the basics of preventive and therapeutic targeting of Paediatrics with special emphasis on acute, life-threatening conditions. Students must be familiar with the causes and symptoms characteristic of acute conditions that directly threaten the lives of children, their differential diagnosis and effective practices in emergency aid, particularly in the prehospital phase.			
17PBZPK1	Psychology of Disaster and Crisis Communication I.	Z	1
17PBZPK2	Psychology of Disaster and Crisis Communication II.	KZ	1
17PBZPPM	First Aid, Methodology of First Aid	Z,ZK	3
The course gives a brief overview of the main principles and procedures for the provision of emergency first aid with special reference to the procedures for failure of vital functions and immediately life-threatening conditions. The tasks of the course are included situations of mass affected in crisis situations and emergencies, including CBRN phenomenon. After successful completion of this course the student should be able to independently diagnose failure of vital functions, recognize the state of imminent danger to life, perform basic emergency resuscitation and provide emergency first aid.			
17PBZPSB1	Block Practical Training During the Semester I	Z	4
17PBZPSB2	Block Practical Training During the Semester II	Z	2
The course is based on the Ministry of Health Decree No. 55/2011 which sets out the activities of health workers and other professionals. Practice will take place in the block during the holidays at the end of second year. The aim is to gain practical skills and knowledge in pre-hospital emergency care in situations specific to urgent wartime medicine and emergency situations in cooperation with the components of the integrated rescue system, in briefings to provide general first aid, including mentoring at a distance of driving, navigating and other knowledge skills. Department: EMS			
17PBZPSB3	Block Practical Training During the Semester III	Z	2
The subject is based on the Decree No. 424/2004 Coll. that the activities of health workers and other professionals. The course is practical learning activities and use of theoretical knowledge in the care of patients. Another aim is to gradually adapt to work in your chosen field, working to learn the procedures for treating patients. Practice will take place in a block of 3 weeks (8 hours daily), at workplaces that provide emergency care and having the character of acute admission.			
17PBZPSB4	Block Practical Training During the Semester IV	KZ	8
17PBZPSO1	Professional Self-Defense I	Z	1
Mastering fundamentals of self-defense, focusing on Aikido, Judo and Karate			
17PBZPSO2	Professional Self-Defense II	Z	1
17PBZPTV1	Professional Physical Education I - Fitness	Z	2
The goal is to strengthen training and learning different body parts.			
17PBZPTV2	Professional Physical Education II - Improvement of Physical Abilities	Z	1
17PBZPTV3	Professional Physical Education III - Mountaineering	Z	1
The goal is to strengthen training and learning different body parts.			
17PBZPTV4	Professional Physical Education IV - Swimming	Z	1
17PBZPUS	Supervised Practical Training During the Semester - Introductory Workshop	Z	3
The content of the subject is based on Decree No. 55/2011 Coll., which specifies the activities of healthcare workers and other professionals. Learning outcomes of the course unit The aim of the Seminar Seminar - introductory course is to get acquainted with the work of medical rescuers both in pre-hospital emergency care and in hospital emergency care and			

in all other areas where the medical rescue worker can work. The course also introduces students to the basics of the integrated rescue system and its function in the preparation and solution of an emergency.			
17PBZPV1	Supervised Practical Training During the Semester I	Z	4
17PBZPV2	Supervised Practical Training During the Semester II	Z	2
17PBZPV3	Supervised Practical Training During the Semester III	Z	2
The course is based on the Decree .55/2011 that activities of medical staff and other specialists. The aim of the practice is practice, acquisition and consolidation of nursing activities in accordance with the theoretical and practical instruction. Students gradually acquire the skill to engage in favor of others, show tact and empathy, to act in accordance with the ethical, legal and social principles, respect the socio-cultural differences, completed his prejudices. The practice is led by a registered health care professional. Part of the course are internships. Workplace: Coronary ICU, Cardiac ICU, cardiovascular ICU, surgical ICU unit for intensive night recovery, neurological ICU, burn ICU, trauma (trauma) ICU, respiratory ICU, geriatric ICU, metabolic ICU, neonatal ICU, children's (pediatric) intensive care unit, psychiatric intensive care unit, dialysis unit			
17PBZPV4	Supervised Practical Training During the Semester IV	Z	2
The course is based on the Ministry of Health Decree No. 55/2011 which sets out the activities of health workers and other professionals. The aim of the training experience, learning and attachment theoretical and practical knowledge in relation to teaching in the first year. Students gradually integrate the acquired knowledge and skills and uses them to posupnému knowledge of the pre-hospital emergency care in situations specific to emergency medicine and emergency situations in cooperation with the components of IRS.			
17PBZRO	Radiation Protection	KZ	1
17PBZRRD	Radiology and Radiodiagnostics	KZ	1
This course is an introduction to the basic imaging methods that are used in radio-diagnostics. In addition to an overview of investigative techniques, students will have knowledge of the risk field, radiation protection, preparing patients for examination and the RDG RDG basic examination. The aim is to understand the problems of radiological fields and orientation in basic investigative techniques.			
17PBZRSZS	Emergency Services Radiocommunication Systems	KZ	1
The aim of the course is to acquaint students with basic principles of communications equipment and connections, a way of serving them and the principles and rules of operation.			
17PBZRT1	Respiratory Therapy I.	Z	2
There is currently no specialist in the CR field of study that would provide comprehensive training in respiratory therapy, which includes a qualified assessment of the patient, care and treatment of artificial ventilation in cardiorespiratory failure system states with depression or pharmacological inhibition of neuromuscular transmission.			
17PBZRT2	Respiratory Therapy II.	Z,ZK	2
There is currently no specialist in the CR field of study that would provide comprehensive training in respiratory therapy, which includes a qualified assessment of the patient, care and treatment of artificial ventilation in cardiorespiratory failure system states with depression or pharmacological inhibition of neuromuscular transmission.			
17PBZSL	Forensic Medicine	KZ	2
The course acquaints students with basic knowledge in the field of forensic medicine in relation to legislative and medico-legal issues, knowledge in the modern and the rule of law becomes a necessity of every health care professional.			
17PBZTOP1	Theory of Nursing and Nursing Methods I.	Z	3
The course is designed as a theoretical and practical foundation degree paramedic program. Systemically defines nursing as a separate discipline of modern science, with its own philosophy, value system, subject to review, theoretical models, standard terminology, classification systems and methodologies. It introduces the historical development of nursing with a multicultural dimension to the field and current trends that are related to improving the effectiveness of health systems. The course is also focused on the active acquisition of knowledge, skills, habits and work patterns necessary to treat patients of all ages in hospital care.			
17PBZTOP2	Theory of Nursing and Nursing Methods II.	Z,ZK	2
The course is designed theoretically and practically-oriented active knowledge and the knowledge, skills and work habits necessary to treat patients only in hospitals but also the pre-hospital practice. This student must be equipped with the necessary manual skills and confidence to safely and making professional-quality performance and procedures with respect to individual patient needs and current situation in which it is located.			
17PBZTPP	Techniques in the Prehospital and Hospital Emergency Care	Z,ZK	2
17PBZUM1	Emergency Medicine I.	Z	2
Emergency medicine is a multidisciplinary field dealing with issues of diagnosis, primary and urgent care and treatment of sudden life-threatening conditions, acute illnesses and injuries immediately to their place of origin, during transport affected by land, air or water resources emergency medical services (EMS) and the transition of prehospital emergency care in hospital. The course is conceived as theoretical-practical for a paramedic unit from the didactic point of view is divided into three blocks: Part I focuses on the diagnosis, initial treatment and treatment of sudden life-threatening condition immediately to the location, during transport to the affected destination medical facility, the transition from hospital to prehospital emergency care in hospital and emergency care (NNP). II. block deals with emergency medicine in terms of disaster medicine, ie focusing on the incidence of multiple disabilities in mass disasters, in emergency situations, disaster relief and non-military crisis situations. Block III is focused on emergency medicine in emergency conditions and learning the principles Barts (Battlefield Advacenced Resuscitation Techniques and Skills).			
17PBZUM2	Emergency Medicine II. CPR, ABCDE	Z	2
17PBZUM3	Emergency Medicine III and War Surgery	Z,ZK	4
III. block emergency medicine course is focused on the field in extraordinary circumstances. In this context, plays a special role in learning the principles Barts (Battlefield Advacenced Resuscitation Techniques and Skills).			
17PBZUZP	Medical Psychology and Stress Management	KZ	1
Health Psychology builds on the knowledge of general and social psychology. The course focuses in detail on the findings that relate to health psychology, clinical psychology, the application of psychological knowledge in the health and psychological care for the sick. Stress affects the management of stress and coping with stress in the helping professions, psychosocial problems, posttraumatic stress response and psychological first aid after disasters and accidents. The aim is to inform the teaching of the essential psychological problems and rescued saving and prepare students for specific behaviors and reactions of individuals and groups in life-threatening situations.			
17PBZVLG1		Z	3
17PBZVLG2	Internal Medicine and Geriatry II	Z,ZK	3
17PBZVZ	Basics of Public Health and Legislation in Health Care	KZ	1
17PBZZAOT	Elementary english professional terminology	KZ	2
The aim of the course is to introduce the basic medical vocabulary. Students are learning to use vocabulary related to the fields of anatomy, first aid, illnesses, hospital facilities and departments.			
17PBZZBF	Medical Biophysics	ZK	2
The goal is to obtain basic information about the nature of the effects of physical factors on the organism. Further clarify the basic biophysical principles of physiological and pathophysiological processes and processes in the human body and explain the basic mechanisms of the effects of selected physical factors on living systems, focusing on electricity, optical radiation, ultrasound, ionizing radiations, biophysics of organs and tissues.			
17PBZZEK	Basics of Economics and Management Health Care	KZ	2
17PBZZFAR	Fundamentals of Pharmacology	ZK	2

17PBZZL	Health Legislation	Z,ZK	2
17PBZZLCH	Fundamentals of Medical Chemistry and Biochemistry	Z,ZK	2
The course focuses on acquainting students with the basics of chemistry and biochemistry to clarify the chemical structure, properties and reactions of substances that form the basis of living organisms. It is focused on the principles of textile and energy transformations in organisms. The goal is to learn the basics of Medical Chemistry and Biochemistry and descriptive understanding of autonomous and coupled metabolic processes associated with exchange of materials and energy gain and subject to regulatory ovliv ování.seminá ich.			
17PBZZOT	Fundamental Professional Terminology	KZ	2
17PBZZPA	Fundamentals of Pathology	ZK	2
17PBZZPF	Fundamental Pathophysiology	ZK	2
17PBZZPK	Fundamentals of the Psychotherapeutic Approach and Communication with the Patient	Z	1
The purpose of the course is to improve the training and subsequent professional communication with patients, their relatives and other persons in difficult life situations with which the nurse comes into professional contact, with an emphasis on problem types of personalities. The subject will be practicing empathy, interpretation, feedback, identification, transference and counter, authentic manner. Another aim is to support practicing psychotherapeutic approach. Due to the limited scope can not managing to various forms of psychotherapy and specific psychotherapeutic techniques, information about them will be given only a brief summary.			
17PBZZPP	Fundamental Psychiatry and Psychotherapy	Z,ZK	2
During the course students will gradually learn the basics of psychology and psychiatry, especially psychiatric aspects of the interaction of medical professionals and patients, as well as relationships with significant people from the patient's social environment. Students will learn the general, developmental and social psychology and personality psychology that are relevant to their professional work. The greatest attention is paid to the psychological aspects of individual situations where the patient or his relatives face: interview procedures are discussed with the patient and his loved ones, mental health care for ambulatory and hospitalized patients, access to psychological aspects of pain and psychosomatic disorders, anxiety and fear aggression, the issue of dying, death and bereavement, etc. Part of teaching is devoted to mental health crises and burn-out syndrome. The aim of lectures and exercises is to give students a basic overview of trends in psychology and psychiatry, who may in their professional practice to meet and whose assistance may be used for working with clients. Students acquire basic knowledge about the basic directions in psychology and psychiatry used in practice. The practical exercises will be used in a number of case studies, examples, and attachments, showing the application, topics in medical practice.			
17PBZZPZ	Exam: Practical Skills in the Paramedic Profession	ZK	6
17PBZZROT	Fundamental Russian Professional Terminology	KZ	2
Subject "Russian Language - terminology I and II is designed for students who want to learn how to use the Russian language, or you want to repeat, deepen and broaden knowledge of Russian language. In the first part of the course (terminology I) individual topics covering the main areas General Communication (normal turnover, human, school orientation in the city, attractions, dining, culture, sports, hobbies, travel, etc.). The lessons are basically the same layout. starting from the recommended minimum for verbal subjects, which are intended to practice and this material is reflected in these dialogues that capture the realities of everyday life. The exercises are aimed at practicing and reinforcing the vocabulary and grammar partly related to the topic. Emphasis is placed on the active use of Russian language, understand the similarities and differences in Czech and Russian The ability to communicate in the most common situations and prompt expression. In the second part of the course (II terminology), the students are taught specialized terms in different areas (radiology, toxicology, emergency preparedness), belonging to the field of crisis management.			
17PBZZSI	Basics of Statistics and Informatics	KZ	3
17PBZZTX	Fundamentals of Toxicology	KZ	1
Study the subject of toxicology as a multidisciplinary science that focuses on examining the negative impact of chemicals on living organisms. Students will learn the most important chemicals that can cause poisoning organism, the principles of aid measures and specific symptomatic. This course will be relationship between the chemical and its toxicity, toxicokinetics, toxic interactions with the organism and clinical manifestations of intoxication. In the special part the emphasis is on poisons that lead to frequent the most dangerous poisons and poisoning (carbon monoxide, ethanol, drugs, pharmaceuticals, inorganic plant poisons and toxins).			
17PBZZVK	Winter Training Course	Z	1

For updated information see <http://bilakniha.cvut.cz/en/FF.html>

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