

## Recommended pass through the study plan

**Name of the pass: Planning and management of Crisis Situation 15/16, 16/17, 17/18,18/19, 19/20, 2021**

Faculty/Institute/Others:

Department:

Pass through the study plan: Planning and Management of Crisis Situation - combined study

Branch of study guaranteed by the department: Welcome page

Guarantor of the study branch:

Program of study: Population Protection

Type of study: Bachelor combined

Note on the pass: Informaci o p edepsaném minimálním po tu PV p edm t pro konkrétní jednotlivé semestry najdete v odpovídajícím studijním plánu oboru.

Coding of roles of courses and groups of courses:

P - compulsory courses of the program, PO - compulsory courses of the branch, Z - compulsory courses, S - compulsory elective courses, PV - compulsory elective courses, F - elective specialized courses, V - elective courses, T - physical training courses

Coding of ways of completion of courses (KZ/Z/ZK) and coding of semesters (Z/L):

KZ - graded assesment, Z - assesment, ZK - examination, L - summer semester, Z - winter semester

Number of semester: 1

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
17BOZP	<b>Occupational Safety and Health, Fire Protection and First Aid</b> <i>Petr Kudrna Petr Kudrna Petr Kudrna (Gar.)</i>	Z	0	1P	Z	z
17KBP2CHPB	<b>Chemistry for Bachelors</b>	Z	2	8P+6S	Z	z
17KBP2ET	<b>Ethics of Crisis Management</b>	Z	3	8P	Z	z
17KBP2KP	<b>Communication Instruments of Integrated Emergency Services</b>	KZ	3	8P	Z	z
17KBP2MKR1	<b>Management and Crisis Management I</b>	Z	4	8P	Z	z
17KBP2MPB	<b>Mathematics for Bachelors</b>	Z,ZK	4	14P+10C	Z	z
17KBP2HKS	<b>General Principles of Dealing with Emergency and Crisis Situations</b>	Z,ZK	4	8P+4C	Z	z
17KBP2ZIT	<b>Fundamentals of Information Technology</b>	KZ	3	8P+6C	Z	z
17KBP2ZS	<b>Fundamentals of Somatology</b>	ZK	4	16P	Z	z
17KBP2ZTSP	<b>Fundamentals of Theory of State and Low</b>	ZK	3	10P	Z	z

Number of semester: 2

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
17KBP2AOT1	<b>English Professional Terminology I</b>	KZ	3	12S	L	z
17KBP2FPB	<b>Physics for Bachelors</b>	Z	3	8P+6S	L	z
17KBP2IZS	<b>Integrated Emergency Services</b>	Z,ZK	5	8P+4S	L	z
17KBP2MKR2	<b>Management and Crisis Management II</b>	ZK	4	10P	L	z
17KBP2OP1	<b>Practical Training (Crisis Management Units)</b>	Z	2	4XT	L	z
17KBP2PMS	<b>Probability and Mathematical Statistics</b>	Z,ZK	5	12P+10S	L	z
17KBP2SP	<b>Administrative Law. Public Administration and Local Government in the Area of Crisis Management</b>	ZK	4	10P	L	z
17KBP2ZEKR	<b>Fundamentals of Crisis Management Economics</b>	ZK	4	8P	L	z

Number of semester: 3

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
17KBP2AK	English Conversation	KZ	3	12S	Z	z
17KBP2HKP	Emergency and Crisis Planning <i>Josef Sedlák</i>	Z,ZK	4	10P+6S	Z	z
17KBP2ISKR	Information Systems in Crisis Management	Z,ZK	4	10P+6C	Z	z
17KBP2LZKS	Human Resources and Crisis Situations	Z	3	8P+4S	Z	z
17KBP2PPP	Pre-Medical Assistance and Care	Z,ZK	4	8P+6C	Z	z
17KBP2RO	Radiation Protection	ZK	4	10P	Z	z
17KBP2TP	Team Project <i>Josef Sedlák</i>	Z	2	2C	Z	z
17KBP2ZT	Fundamentals of Toxicology <i>Zden k Hon Zden k Hon Zden k Hon (Gar.)</i>	Z,ZK	3	8P+6S	Z	z
17KBP2ZZT	Introduction to Rescue Equipment	KZ	3	10P+6C	Z	z

Number of semester: 4

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
17KBP2ARS	Analysis, Methods and Tools for Dealing with Crisis Situations	Z	3	8P+4S	L	z
17KBP2BIS	Security of Information Systems and Networks	Z,ZK	3	8P+6C	L	z
17KBP2CNP	Civil Emergency Preparedness	Z,ZK	4	8P+4S	L	z
17KBP2HAE	Hygiene and Epidemiology	KZ	2	8P	L	z
17KBP2LG	Logistics <i>Libor Krejcar Libor Krejcar Libor Krejcar (Gar.)</i>	KZ	3	6P+6S	L	z
17KBP2MVP	Methodology of Scientific Research <i>Monika Donevová</i>	Z	2	4P+4C	L	z
17KBP2OP2	Practical Training II (SÚJCHBO, SÚRO and Emergency Services)	Z	3	4XT	L	z
17KBP2PMU	Prevention of Emergencies	KZ	2	8P+6C	L	z
17KBP2TAH	Toxicological Aspects of Chemical Accidents and Chemical Weapons Misuse	ZK	3	8P	L	z
17KBP2ZRBA	Fundamentals of Radiobiology and Possible Misuse of Radiological and Biological Agents	ZK	3	6P	L	z
17KBP2ZKM	Special Communication During Emergencies <i>Dana Rebeka Ralbovská</i>	Z	2	6C	L	z

Number of semester: 5

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
17KBP2DT	Drugs and Toxicomania <i>Tomáš Kratina Tomáš Kratina Tomáš Kratina (Gar.)</i>	KZ	2	8P+6S	Z	z
17KBP2ENB	Environmental Security <i>Pavla Bojarová Pavla Bojarová Pavla Bojarová (Gar.)</i>	KZ	3	8P	Z	z
17KBP2ITT	Information Technology and Telemetry <i>Karel Hána, Pavel Smr ka Karel Hána Karel Hána (Gar.)</i>	Z,ZK	3	8P+6C	Z	z
17KBP2KRZ	Healthcare Crisis Management <i>Leoš Navrátil Leoš Navrátil Leoš Navrátil (Gar.)</i>	ZK	4	10P	Z	z
17KBP2KSP	Traffic Crisis Situations <i>Zden k Hon, Jind ich Komárek Jind ich Komárek Jind ich Komárek (Gar.)</i>	KZ	2	8P	Z	z
17KBP2KM	Crisis Management <i>Old ich Volf Old ich Volf Old ich Volf (Gar.)</i>	Z,ZK	4	8P+6C	Z	z
17KBP2POK	Prevention and Detection of Crime <i>B etislav upr B etislav upr B etislav upr (Gar.)</i>	Z	2	8P+4S	Z	z
17KBP2PKS	Psychology of Crisis Situations <i>Dana Rebeka Ralbovská Dana Rebeka Ralbovská Dana Rebeka Ralbovská (Gar.)</i>	KZ	2	8C	Z	z
17KBP2SBP	Bachelor Thesis Seminar <i>Monika Donevová Monika Donevová Monika Donevová (Gar.)</i>	Z	2	4C	Z	z
17KBP2TR	Risk Theory <i>Petr Adolf Sk ehot Petr Adolf Sk ehot Petr Adolf Sk ehot (Gar.)</i>	Z,ZK	3	10P+6C	Z	z

17KBP2TE	<b>Terrorism</b> <i>Barbora Vegrichťová <b>Barbora Vegrichťová</b> Barbora Vegrichťová (Gar.)</i>	ZK	3	10P	Z	z
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Number of semester: 6

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, <b>authors</b> and guarantors (gar.)</i>	Completion	Credits	Scope	Semester	Role
17KBP2BOS	<b>Security policy of the State, the Defense of the State and its Security</b> <i>Josef Sedlák <b>Josef Sedlák</b> Josef Sedlák (Gar.)</i>	Z,ZK	5	8P+4C	L	z
17KBP2OB	<b>Building Safety</b> <i>Petr Hartmann <b>Petr Hartmann</b> Petr Hartmann (Gar.)</i>	KZ	3	6P	L	z
17KBP2OZP	<b>Organization of Rescuing Actions</b> <i>Dušan Uhlík <b>Dušan Uhlík</b> Dušan Uhlík (Gar.)</i>	Z,ZK	3	8P+6C	L	z
17KBP2PTP	<b>Professional Tactical Training</b> <i>Josef Sedlák <b>Josef Sedlák</b> Josef Sedlák (Gar.)</i>	KZ	4	8P	L	z
17KBP2SL	<b>Forensic Medicine</b> <i>Miloš Sokol <b>Miloš Sokol</b> Miloš Sokol (Gar.)</i>	ZK	4	8P	L	z
17KBP2VBP	<b>Internal Security and Public Order</b> <i>Barbora Vegrichťová <b>Barbora Vegrichťová</b> Barbora Vegrichťová (Gar.)</i>	Z,ZK	4	8P+4S	L	z
17KBP2ZNZ	<b>Fundamentals of Arms and Munitions</b> <i>Mat j Tejmar <b>Mat j Tejmar</b> Mat j Tejmar (Gar.)</i>	KZ	3	8P+6C	L	z
17KBP2ZP	<b>Fundamentals of Pyrotechnics</b> <i>Karel Koubík <b>Karel Koubík</b> Karel Koubík (Gar.)</i>	KZ	3	6P	L	z
17KBP2ZBP	<b>Bachelor Thesis</b>	Z	1	40C	L	z

## List of groups of courses of this pass with the complete content of members of individual groups

### 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
17KBP2AK	English Conversation	KZ	3
17KBP2AOT1	English Professional Terminology I	KZ	3
The aim of the course is to acquaint student with the terminologie related to their field of study. Students learn how to use the vocabulary in real situations, when solving real problems. The course is primarily focused on communication and on the development of english speaking skills.			
17KBP2ARS	Analysis, Methods and Tools for Dealing with Crisis Situations	Z	3
The goal is to basics and key analysis tools and methods of crisis management, to the extent necessary for the understanding of safeguarding the population against the effects of emergencies or non-military crisis. In addition to acquaint students with the scope and activities in the construction and protection of critical infrastructure elements and European critical infrastructure. The education policy will be clarified and emergency planning and preparedness in the area of ??the state population. Practically the practice of mid-range planning, evacuation and treatment planning assumptions protection plan for processing critical infrastructure elements.			
17KBP2BIS	Security of Information Systems and Networks	Z,ZK	3
Study is focused on understanding the principles of security risks in information technology, the preventive treatment and management. Students will learn the basic principles of security, understand the sense of security in large information systems. Students will learn the principles of the new solution practices, which lead to the design, installation, operation and maintenance of secure information systems.			
17KBP2BOS	Security policy of the State, the Defense of the State and its Security	Z,ZK	5
17KBP2CHPB	Chemistry for Bachelors	Z	2
Introduction to chemistry, categorization and properties of substances, chemical bonds, chemical reactions, elements in periodic table, organic chemistry fundamentals, natural substances, polymers, analytical methods - instrumental analysis, chemical calculations, chemical equations.			
17KBP2CNP	Civil Emergency Preparedness	Z,ZK	4
The goal is to basics and main principles of Civil Emergency Preparedness (CNP), to the extent necessary for the understanding of safeguarding the population against the effects of emergencies or crisis situations non-military character. Cooperation in the field of CNP at the international level is particularly within the European Union and NATO. Cooperation between NATO and EU civil protection aims to better protect people, their environment, property and cultural heritage in the event of major natural disasters or disasters caused by human factors arising both inside and outside the EU. The training will be clarified as well as crisis intervention policy and preparedness UN and the OSCE and the basic structure of civil emergency preparedness and obligations of the State in protecting the population.			
17KBP2DT	Drugs and Toxicomania	KZ	2
They are given basic information about drugs and drug addiction. The main emphasis is placed on the distribution of drugs and dismantling drug abuse prevention. Problems of drug deaths, drug detection in biological materials, and legislation in the fight against drugs. The aim of the course is to gain knowledge on cutting drug use, drug addiction, and prevention in this field.			

17KBP2ENB	Environmental Security	KZ	3
17KBP2ET	Ethics of Crisis Management	Z	3
17KBP2FPB	Physics for Bachelors	Z	3
The goal is to create a physical pillar for further study. In the course of reciting the basics of mechanics, relativistic physics, basic electricity and magnetism, basic geometric and wave optics.			
17KBP2HAE	Hygiene and Epidemiology	KZ	2
17KBP2HKP	Emergency and Crisis Planning	Z,ZK	4
17KBP2HKS	General Principles of Dealing with Emergency and Crisis Situations	Z,ZK	4
17KBP2ISKR	Information Systems in Crisis Management	Z,ZK	4
17KBP2ITT	Information Technology and Telemetry	Z,ZK	3
17KBP2IZS	Integrated Emergency Services	Z,ZK	5
17KBP2KM	Crisis Management	Z,ZK	4
To acquaint students with the history and principles of crisis management procedures, the causes of the crises, the breakdown of the institution of crisis management, with the general principles of forces and means of creating crisis management, the essence of crisis situations, emergency procedures, strategies and information security crisis management. Emphasis is placed on the status of crisis management in public administration and the theoretical bases of crisis situations.			
17KBP2KP	Communication Instruments of Integrated Emergency Services	KZ	3
17KBP2KRZ	Healthcare Crisis Management	ZK	4
The course acquaints students with the structure of emergency management authority in the Republic and the actual distribution area of crisis management bodies in public administration. Specifically, the course focuses on the scope of public administration related to healthcare.			
17KBP2KSP	Traffic Crisis Situations	KZ	2
In the series of lectures and seminars, students are offered basic information on the issues of road transport, description of vehicles carrying dangerous substances according to ADR, duties driver transporting dangerous substances, in addition to requirements for vehicles and road traffic.			
17KBP2LG	Logistics	KZ	3
The aim of this course is to acquaint students with current logistics business practices in the competitive environment of the EU, the CR and of world markets, preparing them for effective implementation of logistics management for a given company.			
17KBP2LZKS	Human Resources and Crisis Situations	Z	3
17KBP2MKR1	Management and Crisis Management I	Z	4
17KBP2MKR2	Management and Crisis Management II	ZK	4
The goal is to provide students with basic information about the theory and practice of management and major categories of necessary control functions. Emphasis will be placed on understanding managerial skills, profile manager, change management. The next part will be practiced principles of planning time, work efficiency manager, the specifics of management of government.			
17KBP2MPB	Mathematics for Bachelors	Z,ZK	4
17KBP2MVP	Methodology of Scientific Research	Z	2
The course is an introduction to the basics of science - from the organization side of scientific activities in the Czech Republic and abroad, through organizational grant agencies. In addition methods of acquiring information through literature, Internet and other resources is examined - how to handle literature searches, how to proceed processing tasks, how to critically evaluate the results, as processes, as presentations (oral communication in lectures, seminars, poster communication, written presentations). Students learn in detail how to present the results of their scientific theories.			
17KBP2OB	Building Safety	KZ	3
Course lectures are aimed at security problems associated with protecting people, property and buildings in terms of technical and technological solutions. The solution is based on security analysis, listed buildings and usable methods and techniques of safety management. Attention is devoted to the design and management of security systems using optimization in terms of their own security but also economic costs.			
17KBP2OP1	Practical Training (Crisis Management Units)	Z	2
17KBP2OP2	Practical Training II (SÚJCHBO, SÚRO and Emergency Services)	Z	3
Professional experience allows students to apply at specialized institutes their theoretical knowledge and practical skills that they gained, from classrooms and laboratories. It provides scope for improving their habits and skills, teaches students independence, responsibility and teamwork. The course is under the guidance of a qualified trained mentor from the department, which shares responsibility for the student. Designs for workplace learning are selected based on established standards. The scope and content of professional practice is a defined curriculum, character study and practice of internal regulation, which provides formal and substantive conditions of practical training.			
17KBP2OZP	Organization of Rescuing Actions	Z,ZK	3
The course is part of the specialist subjects, and is aimed at expanding students' managerial knowledge to protect the population. The course strives to acquaint students with a history of providing aid and relief organizations working various types of disasters.			
17KBP2PKS	Psychology of Crisis Situations	KZ	2
The aim of this course is to acquaint students with various techniques and methods of helping individuals to cope and deal with stress, conflict, and crisis situations. This will allow them greater self-knowledge and knowledge of others, empathy, congruence, and acceptance. Integral parts of the practical training are individual techniques, group work, and final "inquiries" integrating the lessons learned and experiences acquired.			
17KBP2PMS	Probability and Mathematical Statistics	Z,ZK	5
17KBP2PMU	Prevention of Emergencies	KZ	2
The aim of the course is to acquaint students with the legislative basis and scope of administrative authorities in taking preventive measures to protect the population, both in the fight against organized crime, terrorism and in addressing issues related to the integration of foreigners and the threat of large-scale migration. They will be acquainted with the prevention and preparedness for major accidents and the protection of critical infrastructure. Furthermore, students will be acquainted with the scope and powers of administrative authorities in the field of fire protection and with the rights and obligations of legal and entrepreneurial natural persons and individuals in providing tasks in the field of fire protection and with the issue of flood control measures.			
17KBP2POK	Prevention and Detection of Crime	Z	2
The goal is to become familiar with the exploring the field of criminology, the causes and conditions of crime and its prevention, particularly with regard to crisis events.			
17KBP2PPP	Pre-Medical Assistance and Care	Z,ZK	4
17KBP2PTP	Professional Tactical Training	KZ	4
The goal is to provide students with basic information and knowledge about the training of armed and Rescue Service, important duties and skills required to perform management functions in people management and performance of professional duties. Emphasis will be placed on an understanding of organizational structure, purpose and function of these forces, their operation and usage policies. The next section will question the tactics practiced fire, military and police intervention, the principle of survival and the specifics of the deployment of foreign forces.			
17KBP2RO	Radiation Protection	ZK	4

17KBP2SBP	<b>Bachelor Thesis Seminar</b> 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.	Z	2
17KBP2SL	<b>Forensic Medicine</b> The aim is to acquaint students with fundamental concepts of laws and practices relating to the death of a man (the definition and diagnosis of death, natural death, violent, sudden, unexpected, visitation of the deceased, autopsy), basic diagnostic procedures for autopsies, auxiliary tests (histological, histochemical, immunohistochemical, biochemical, toxicological, molecular biological), basic biomechanics, traumatology and forensic practices in mass disasters.	ZK	4
17KBP2SP	<b>Administrative Law. Public Administration and Local Government in the Area of Crisis Management</b> The aim is to introduce students to basic concepts of jurisprudence and legal practice, the role of man in the right and society, prescriptive regulation and legal systems and legislation in the IRS system, crisis management and economic measures for crisis situations.	ZK	4
17KBP2TAH	<b>Toxicological Aspects of Chemical Accidents and Chemical Weapons Misuse</b> The course summarizes the current knowledge and information about chemical accidents, an overview of laws and implementing regulations on chemical substances and prevention of accidents Czech and European legislation, as well as links between them. Identifies the main risks of acute chemical accidents. The goal is to further acquaint students with major pollutants and chemical warfare agents, including their impact on public health, and the principles of prevention and liquidation of consequences of the Integrated Rescue System.	ZK	3
17KBP2TE	<b>Terrorism</b> The goal is to become familiar with possible causes, manifestations, and consequences of terrorism.	ZK	3
17KBP2TP	<b>Team Project</b>	Z	2
17KBP2TR	<b>Risk Theory</b> Student learn to use basic concepts of the theory of risk, methods and procedures of risk analysis techniques .	Z,ZK	3
17KBP2VBP	<b>Internal Security and Public Order</b> The mission of the course is to provide comprehensive information about the nature and orientation of the system and principles of internal security. Major emphasis is placed on the tasks of each body to protect social interests. The knowledge of features and content security police authorities acquire, both state and non-governmental, their mutual relations and external relations. On the regulatory importance of legal standards and analysis of investigation types of security activities, the characteristics of essential elements and methods of documenting the security situation, and the information systems important for the internal security of the Czech Republic.	Z,ZK	4
17KBP2ZBP	<b>Bachelor Thesis</b>	Z	1
17KBP2ZEKR	<b>Fundamentals of Crisis Management Economics</b> The aim of this course is to acquaint students with problems of economic measures for crisis situations in the civil emergency planning. Education is measured to obtain basic knowledge in emergency management, economic mobilization, regulatory measures, state material reserves and requirements for the construction of infrastructure. Emphasis will be placed also on the structure and main úkolky state material reserves.	ZK	4
17KBP2ZIT	<b>Fundamentals of Information Technology</b>	KZ	3
17KBP2ZKM	<b>Special Communication During Emergencies</b> Students acquire a comprehensive knowledge of communication skills that could be applied in difficult situations. Students will become familiar with basic theoretical postulates of stress and management thereof, including a firm base on the techniques of crisis intervention and communication in emergency situations, both for individuals and in groups. Graduates will be able to use this vital knowledge in working in aid professions.	Z	2
17KBP2ZNZ	<b>Fundamentals of Arms and Munitions</b> The goal is to provide students with basic information and knowledge about the construction and operating principles and how to use small arms, the knowledge and habits necessary for practical shooting. Emphasis will be placed on knowledge of laws, decrees and regulations dealing the possession and use of weapons, firing on the clarification of the rules and precautions when shooting. The next part will be practiced using service weapons issues in the conflicts and operations, and practical training in shooting of short and long of small arms.	KZ	3
17KBP2ZP	<b>Fundamentals of Pyrotechnics</b> In this series of lectures and seminars, students are acquainted with the history, structure, basic terminology, principles and legislation of pyrotechnic activities. The courses are conducted and sample imitation performance measures are used in the Czech Republic Army and Police of the Czech Republic areas. The examination will be based on knowledge of current issues and practices towards the rules that determine the types of activities that may be carried out.	KZ	3
17KBP2ZRBA	<b>Fundamentals of Radiobiology and Possible Misuse of Radiological and Biological Agents</b> The aim of the course is to acquaint students with 21st century security risk, which is the phenomenon of terrorism and the principles of organization of medical assistance and first aid misuse of biological agents and nuclear and radiological materials. The hazards of these substances are potentially either directly (nuclear and radiological weapons, dirty bombs, biological agents, various forms of contamination, the use of toxins produced by microorganisms) or indirectly in attacks on civilian targets using nuclear and other radioactive materials and biological agents (typically nuclear power, research facilities or powerful radioactive sources used in industry and medicine). Options prevention, safety measures, the motion detection and pre-medical aid in threat these substances, materials and agents. Control of these hazardous substances and materials, international recommendations and requirements of the role of international organizations, legislative instruments and protection system against the potential dangers of the possible use of these substances or uncontrolled release into the environment due to sabotage or attacks on the installations.	ZK	3
17KBP2ZS	<b>Fundamentals of Somatology</b>	ZK	4
17KBP2ZT	<b>Fundamentals of Toxicology</b>	Z,ZK	3
17KBP2ZTSP	<b>Fundamentals of Theory of State and Low</b>	ZK	3
17KBP2ZZT	<b>Introduction to Rescue Equipment</b>	KZ	3

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

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