

Recommended pass through the study plan

Name of the pass: Medical electronics and bioinformatics - Passage through study

Faculty/Institute/Others: Faculty of Electrical Engineering

Department:

Pass through the study plan: Medical electronics and bioinformatics

Branch of study guaranteed by the department: Common courses

Guarantor of the study branch:

Program of study: Medical Electronics and Bioinformatics

Type of study: Bachelor full-time

Note on the pass:

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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
BEZB	Safety in Electrical Engineering for a bachelor's degree Ivana Nová, Radek Havlí ek, Vladimír K la Radek Havlí ek Vladimír K la (Gar.)	Z	0	2BP+2BC	Z,L	P
B0B01LAGA	Linear Algebra Ji í Velebil, Josef Dvo ák, Natalie Žukovec, Mat j Dostál Ji í Velebil Ji í Velebil (Gar.)	Z,ZK	7	4P+2S	Z	P
B0B01MA1A	Mathematical Analysis 1 Josef Dvo ák, Karel Pospíšil, Veronika Sobotíková Veronika Sobotíková Veronika Sobotíková (Gar.)	Z,ZK	6	4P+2S	Z	P
BEZZ	Basic health and occupational safety regulations Ivana Nová, Radek Havlí ek, Vladimír K la Radek Havlí ek Vladimír K la (Gar.)	Z	0	2BP+2BC	Z	P
BAB31AF1	Václav Kvítek Václav Kvítek Václav Kvítek (Gar.)	KZ	4	2P+2L	Z	P
2018_BBIOPROG	Programování B3B33ALP,BAB37ZPR	Min. cours. 1 Max. cours. 2	Min/Max 6/12			PV
2018_BBIOMP	Úvod do inženýrství BAB31UBI,B2B15UĚLA	Min. cours. 1 Max. cours. 2	Min/Max 4/8			PV
2018_BBIOVOL	Volitelné odborné p edm ty	Min. cours. 0	Min/Max 0/999			V

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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B0B01DRN	Diferencial Equations and Numerical Analysis Josef Dvo ák, Karel Pospíšil, Petr Habala, Daniel Gromada Petr Habala Petr Habala (Gar.)	Z,ZK	4	2P+2C	L	P
B3B02FY1A	Physics 1 Michal Bedna ík Michal Bedna ík Michal Bedna ík (Gar.)	Z,ZK	7	4P+1L+2C	L	P
B0B01MA2	Mathematical Analysis 2 Natalie Žukovec, Karel Pospíšil, Petr Hájek, Martin Bohata, Jaroslav Tišer, Miroslav Korbělá , Martin K epela, Zden k Mihula, Paola Vivi Petr Hájek Jaroslav Tišer (Gar.)	Z,ZK	7	4P+2S	L,Z	P
BAB36PRGA	Programming in C Jan Faigl Jan Faigl Jan Faigl (Gar.)	Z,ZK	6	2P+2C	L	P

BAB31AF2	Fundamentals of anatomy and physiology II. <i>Václav Kvítek Václav Kvítek Václav Kvítek (Gar.)</i>	Z,ZK	4	2P+2L	L	P
B2B31ZEOA	Fundamentals of Electric Circuits <i>Roman Mejla, Pavel Máša Roman Mejla Roman Mejla (Gar.)</i>	Z,ZK	5	2P+2L	L	P

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
BAB02CHE	Chemistry for Bioengineering <i>Róbert Obertík, Martin Piží Martin Piží (Gar.)</i>	Z,ZK	3	2P+1L	Z	P
B2B38EMBA	Electrical Measurements <i>Jakub Svatoš Jakub Svatoš Jakub Svatoš (Gar.)</i>	Z,ZK	5	2P+2L	Z	P
B1B17EMP	Electromagnetic Field <i>Vít zslav Pankrác Vít zslav Pankrác Vít zslav Pankrác (Gar.)</i>	Z,ZK	5	2P+2C	Z	P
B3B02FY2	Physics 2 <i>Michal Bednařík Michal Bednařík Michal Bednařík (Gar.)</i>	Z,ZK	6	3P+1L+2C	Z	P
B0B01KAN	Complex Analysis <i>Martin Bohata, Martin K epela, Zdeněk Mihula Martin Bohata Jan Hamhalter (Gar.)</i>	Z,ZK	5	2P+2S	Z	P
BAB31ZZS	<i>Radek Jan a Radek Jan a Roman Mejla (Gar.)</i>	KZ	4	2P+2C	Z	P
2018_BBIOPV	Povinné volitelné předměty <i>B4B33ALG,BAB37APO,..... (see the list of groups below)</i>	Min. cours. 3	Min/Max 14/85			PV

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
BAB02BFY	Biophysics <i>Lukáš Matera, Ladislav Sieger, Vratislav Fabián, Jaroslav Jíra Vratislav Fabián Vratislav Fabián (Gar.)</i>	Z,ZK	4	2P+2L	L	P
B4M33DZO	Digital image <i>Daniel Sýkora Daniel Sýkora Daniel Sýkora (Gar.)</i>	Z,ZK	6	2P+2C	Z,L	P
B2B31EO1	Electronic Circuits 1 <i>Jiří Hospodka, Tomáš Kouba, Jan Havlík Jiří Hospodka Jiří Hospodka (Gar.)</i>	Z,ZK	4	2P+2L	Z,L	P
B2B37SAS	Signals and systems <i>Karel Fliegel, Pavel Puriš Karel Fliegel Karel Fliegel (Gar.)</i>	Z,ZK	5	2P+2C	L	P
B0B01STP	Statistics and Probability <i>Veronika Sobotíková, Miroslav Korbela, Kateřina Helisová, Jakub Staněk Kateřina Helisová Kateřina Helisová (Gar.)</i>	Z,ZK	5	2P+2S	L	P
2018_BBIOPV	Povinné volitelné předměty <i>B4B33ALG,BAB37APO,..... (see the list of groups below)</i>	Min. cours. 3	Min/Max 14/85			PV

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
BAB34BMS	Biomedical sensors <i>Adam Bouška, Alexandr Laposka, Miroslav Husák, Jan Novák Miroslav Husák Miroslav Husák (Gar.)</i>	Z,ZK	4	2P+2L	Z	P
BAB31GEN	Genetics <i>Eduard Koárek Eduard Koárek Eduard Koárek (Gar.)</i>	ZK	3	2P	Z	P
B0B33OPT	Optimization <i>Mírko Navara, Tomáš Werner, Petr Olšák, Tomáš Kroupa Tomáš Werner Tomáš Werner (Gar.)</i>	Z,ZK	7	4P+2C	Z,L	P
BBPROJ4	<i>Veronika Sobotíková, Jan Kybic, Roman Mejla, Radek Jan a Jan Kybic Roman Mejla (Gar.)</i>	Z	4	4s	Z,L	P
B4B33RPZ	Recognition and machine learning <i>Ondřej Drbohlav, Jiří Matas, Jan Šochman Ondřej Drbohlav Jiří Matas (Gar.)</i>	Z,ZK	6	2P+2C	Z	P
2018_BBIOPV	Povinné volitelné předměty <i>B4B33ALG,BAB37APO,..... (see the list of groups below)</i>	Min. cours. 3	Min/Max 14/85			PV

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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
BBAP20	Bachelor thesis Roman mejla Roman mejla (Gar.)	Z	20	12S	L,Z	P
2018_BBIOVOL	Volitelné odborné p edm ty	Min. cours. 0	Min/Max 0/999			V

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

Kód	Name of the group of courses and codes of members of this group (for specification see here or below the list of courses)	Completion	Credits	Scope	Semester	Role
2018_BBIOMP	Úvod do inženýrství	Min. cours. 1 Max. cours. 2	Min/Max 4/8			PV
BAB31UBI	Introduction to bioengineering	B2B15UELA	Introduction to Electrical Engin ...			
2018_BBIOPROG	Programování	Min. cours. 1 Max. cours. 2	Min/Max 6/12			PV
B3B33ALP	Algorithms and programming	BAB37ZPR	Programming Essentials			
2018_BBIOPV	Povinn volitelné p edm ty	Min. cours. 3	Min/Max 14/85			PV
B4B33ALG	Algorithms	BAB37APO	Applied Optics	2241068		Biomechanics for Bachelors
BAB34BSP	Biomedical Sensors Practically	B0B36DBS	Database Systems	B2B31EO2		Electronic Circuits 2
B3B33KUI	Cybernetics and Artificial Intel ...	B3B38LPE	Laboratories of Industrial Elect ...	B3B33LAR		Laboratory of robotics
B0B01LGR	Logic anad Graphs	BAB34MNS		B2B34MIK		Microcontrollers
B4B38NVS	Embedded Systems Design	B4B01NUM	Numerical Analysis	B3B33ROB		Robotics
B2B17TBK	Wireless Communication Technique	B0B02UAK	Introduction to Acoustic	B4B36ZUI		Introduction to Artificial Intel ...
2018_BBIOVOL	Volitelné odborné p edm ty	Min. cours. 0	Min/Max 0/999			V

List of courses of this pass:

Code	Name of the course	Completion	Credits
2241068	Biomechanics for Bachelors	Z,ZK	3
B0B01DRN	Differential Equations and Numerical Analysis	Z,ZK	4
This course introduces students to the classical theory of ordinary differential equations (separable and linear ODEs) and also to bsics of numerical methods (errors in calculations and stability, numerical solutions of algebraic and differential equations and their systems). The course takes advantage of the synnery between theoretical and practical point of view.			
B0B01KAN	Complex Analysis	Z,ZK	5
B0B01LAGA	Linear Algebra	Z,ZK	7
B0B01LGR	Logic anad Graphs	Z,ZK	5
This course covers basics of mathematical logic and graph theory. Syntax and semantics of propositional and predicate logic are introduced. The importance of the notion of consequence and of the relationship between a formula and its model is stressed. Further, basic notions from graph theory are introduced.			
B0B01MA1A	Mathematical Analysis 1	Z,ZK	6
This is an introductory course to differential and integral calculus of functions of one real variable.			
B0B01MA2	Mathematical Analysis 2	Z,ZK	7
The subject covers an introduction to the differential and integral calculus in several variables and basic relations between curve and surface integrals. Other part contains function series and power series with application to Taylor and Fourier series.			
B0B01STP	Statistics and Probability	Z,ZK	5
B0B02UAK	Introduction to Acoustic	KZ	4
The subject provides overview of main parts of acoustics. In first lectures there is introduction to basic types of sound fields, its solutions and properties. Next chapter deals with introduction to building and room acoustics. The second half of the course deals with introductions to physiological acoustics, psychoacoustics, musical acoustics, hygiene legislation and ultrasound, infrasound and their measurement.			

B0B33OPT	Optimization	Z,ZK	7
The course provides an introduction to mathematical optimization, specifically to optimization in real vector spaces of finite dimension. The theory is illustrated with a number of examples. You will refresh and extend many topics that you know from linear algebra and calculus courses.			
B0B36DBS	Database Systems	Z,ZK	6
The course is designed as a basic database course mainly aimed at the student ability to design a relational data model and to use the SQL language for data definition as well as for data querying and to choose the appropriate degree of transaction isolation. Students will also get acquainted with the most commonly used indexing techniques, database system architecture and their management. They will verify their knowledge during the elaboration of a continuously submitted seminar task.			
B1B17EMP	Electromagnetic Field	Z,ZK	5
This course gets its students acquainted with principles and applied electromagnetic field theory basics.			
B2B15UELA	Introduction to Electrical Engineering	KZ	4
B2B17TBK	Wireless Communication Technique	KZ	4
Wireless communications belong to the fastest developing technical fields. Besides widely used mobile telephony systems, this field also includes many other both mobile and stationary communicating systems. Different types of radio modems are also built in the majority of electronic devices like PCs, tablets, notebooks, cameras, etc. With expected fast development of Internet of Things, operation of billions of wireless sensors is expected. The subject is common to all students of the Electronics and Communication study program, its main purpose is to teach all important aspects of this technical branch. Obtained knowledge should enable the students to design, project, adjust or manufacture any wireless communication system or its components. Besides wireless system analysis, the lectures include review of physical backgrounds, survey of the most important existing radio systems together with corresponding operational frequencies, description of electromagnetic wave propagation and related antennas. Instructions concerning propagation also cover behavior of EM waves in an urban environment or inside buildings. Lectures concerning analysis of typical wireless systems also cover description of related radio-frequency, microwave and mm-wave circuits and components. Exercises include practical calculations of wireless systems, computer analysis and synthesis of important structures and circuits, and related laboratory measurements.			
B2B31EO1	Electronic Circuits 1	Z,ZK	4
The course introduces basic circuits with operational amplifiers, continues with the description of linear systems, analysis of their characteristics and fundamentals of synthesis frequency filters. It deals with the principles and features of circuits for generating signals and a controlled oscillator including the PLL circuit and its use. The last part of the course is devoted to basic amplifier stages with transistors.			
B2B31EO2	Electronic Circuits 2	Z,ZK	4
The course builds on the basic electric circuits course. It introduces multistage transistor amplifiers and basic applications in the field of electronic systems. Students become familiar with design and measurement of electronic systems, including nonlinear applications with regard to the real characteristics of operational amplifiers. Next operating principles and parameters of power amplifiers, linear stabilizers, switching power supply and D/A and A/D converters are presents.			
B2B31ZEOA	Fundamentals of Electric Circuits	Z,ZK	5
B2B34MIK	Microcontrollers	Z,ZK	4
The goal of this course is to make students acquainted with recent interesting applications, smart sensors circuits and peripherals handled by microcontrollers. In a lab students will program their own applications and measure actual properties. Because of usage of a programming language C it will be possible to focus on the practical part of the realization.			
B2B37SAS	Signals and systems	Z,ZK	5
Introductory course focused on a description of continuous- and discrete-time signals and systems in time and frequency domains. The course also introduces the basic characteristics of bandpass signals, analog modulations and random signals.			
B2B38EMBA	Electrical Measurements	Z,ZK	5
Methods of measurement of electrical quantities (voltage, current, power, frequency, resistance, capacitance, and inductance) are explained together with principles of their correct application and accuracy estimation. The course is closed by presenting information on several basic electronic measuring instruments and explaining the fundamentals of magnetic measurements and basic information concerning measurement systems.			
B3B02FY1A	Physics 1	Z,ZK	7
The basic course of physics at the Faculty of Electrical Engineering - Physics 1, is devoted to the introduction into two important areas of physics. The first one is a classical mechanics and the second one is the electric and magnetic field. Within the framework of the classical mechanics, the students study the particle kinematics; dynamics of the mass particle, system of mass particles and rigid bodies. The students should be able to solve basic problems dealing with the description of mechanical systems, which they can meet during their further studies. The classical mechanics is followed by the relativistic mechanics, electric and magnetic field - both stationary as well as non-stationary. The students can use the facts gained in this course in the study of electrical circuits, theory of electrotechnical materials or radioelectronics. Apart of this, the knowledge gained in this course is required for the study of the consecutive course Physics 2.			
B3B02FY2	Physics 2	Z,ZK	6
The course Physics 2 is closely linked with the course Physics 1. Within the framework of this course the students will first of all learn foundations of thermodynamics. Following topic - the theory of waves - will give to the students basic insight into the properties of waves and will help to the students to understand that the presented description of the waves has a universal character in spite of the waves character. Particular types of waves, such as acoustic or optical waves are the subjects of the following section. Quantum mechanics and nuclear physics will complete the student's general education in physics. The knowledge gained in this course will help to the students in study of such modern areas as robotics, computer vision, measuring technique and will allow them to understand the principles of novel technologies and functioning of new electronic devices.			
B3B33ALP	Algorithms and programming	Z,ZK	6
This subject will give students a basic understanding of algorithms and programming and teach them to design, implement and test algorithms for simple tasks. The students will understand the notion of computational complexity. They will learn about basic program building blocks such as loops, conditional statements, variables, functions and recursion. We will introduce the most often used data structures (queue, stack, list, array etc) and operations on them. We will show the basic algorithms, for example for searching and sorting. Students will learn to write simple programs in Python.			
B3B33KUI	Cybernetics and Artificial Intelligence	Z,ZK	6
The course introduces the students into the field of artificial intelligence and gives the necessary basis for designing machine control algorithms. It advances the knowledge of state space search algorithms by including uncertainty in state transition. Students are introduced into reinforcement learning for solving problems when the state transitions are unknown, which also connects the artificial intelligence and cybernetics fields. Bayesian decision task introduces supervised learning. Learning from data is demonstrated on a linear classifier. Students practice the algorithms in computer labs.			
B3B33LAR	Laboratory of robotics	KZ	4
During this laboratory courses the students are introduced with the practical robotics through solving of practical tasks. Students are working in laboratories in groups which consist of 3 or 4 members. During the semester, each group of students jointly solve one practical problem in the field of robotics. Tasks are designed to introduce students with robotics (manipulators and mobile robots). The students should utilize the basic knowledge obtained in previous study (eg. mathematics, physics, electronics, software development). Students can select specific task from few tasks with different specialization, which are announced each semester. Tasks differs between semesters. An integral part of the solution of the problem is cooperation and communication in the student team.			
B3B33ROB	Robotics	Z,ZK	5
The course is an introduction into industrial robotics with the emphasis on the industrial robots and manipulators. The robot kinematics is thoroughly studied. The student shall be able to choose, design, and program industrial robot and integrate it into the robotic cell after passing the course.			

B3B38LPE	Laboratories of Industrial Electronics and Sensors	KZ	4
The objective of the "Laboratories" is to introduce students in a playful and interactive way with basic blocks of an industrial sensor system - from the sensor itself, through signal processing circuits, analog to digital signal conversion, software processing by a microcontroller up to the sending of the results to the superior system or database and their presentation to the user within the concept "Internet of Things".			
B4B01NUM	Numerical Analysis	Z,ZK	6
The course introduces to basic numerical methods of interpolation and approximation of functions, numerical differentiation and integration, solution of transcendent equations and systems of linear equations. Emphasis is put on estimation of errors, practical skills with the methods and demonstration of their properties using Maple and computer graphics.			
B4B33ALG	Algorithms	Z,ZK	6
In the course, the algorithms development is constructed with minimum dependency to programming language; nevertheless the lectures and seminars are based on Java. Basic data types a data structures, basic algorithms, recursive functions, abstract data types, stack, queues, trees, searching, sorting, special application algorithms, Dynamic programming. Students are able to design and construct non-trivial algorithms and to evaluate their effectivity.			
B4B33RPZ	Recognition and machine learning	Z,ZK	6
The basic formulations of the statistical decision problem are presented. The necessary knowledge about the (statistical) relationship between observations and classes of objects is acquired by learning on the raining set. The course covers both well-established and advanced classifier learning methods, as Perceptron, AdaBoost, Support Vector Machines, and Neural Nets. This course is also part of the inter-university programme prg.ai Minor. It pools the best of AI education in Prague to provide students with a deeper and broader insight into the field of artificial intelligence. More information is available at https://prg.ai/minor .			
B4B36ZUI	Introduction to Artificial Intelligence	Z,ZK	6
This course is also part of the inter-university programme prg.ai Minor. It pools the best of AI education in Prague to provide students with a deeper and broader insight into the field of artificial intelligence. More information is available at https://prg.ai/minor .			
B4B38NVS	Embedded Systems Design	Z,ZK	6
The course deals with design of embedded systems using ARM based microcontrollers.			
B4M33DZO	Digital image	Z,ZK	6
This course presents an overview of basic methods for digital image processing. It deals with practical techniques that have an interesting theoretical basis but are not difficult to implement. Seemingly abstract concepts from mathematical analysis, probability theory, or optimization come to life through visually engaging applications. The course focuses on fundamental principles (signal sampling and reconstruction, monadic operations, histogram, Fourier transform, convolution, linear and non-linear filtering) and more advanced editing techniques, including image stitching, deformation, registration, and segmentation. Students will practice the selected topics through six implementation tasks, which will help them learn the theoretical knowledge from the lectures and use it to solve practical problems			
BAB02BFY	Biophysics	Z,ZK	4
The course is focused on physical processes associated with blood flow and blood gas exchange, including description of events on biological membranes. Further, the possibilities of measuring advanced hemodynamic parameters of the bloodstream are discussed. A large space is devoted to the problems of hemodialysis and peritoneal dialysis. In the second part of the semester students are acquainted with the properties of human tissue and body fluids, including methods of their measurement. This knowledge is complemented by the basics of optics and acoustics, always in relation to biological systems. Part of the course are laboratory exercises in a modern laboratory, which suitably complement the theoretical knowledge of students from lectures.			
BAB02CHE	Chemistry for Bioengineering	Z,ZK	3
Students will learn the basic areas of applied chemistry in biomedical engineering and technology. At the same time, this course will introduce other chemical disciplines. During laboratory exercises, students should acquire basic laboratory techniques used in chemical laboratories focused primarily on the analysis of substances and materials. Laboratory exercises are preceded by exercises focused on practical calculations for laboratory practice.			
BAB31AF1		KZ	4
BAB31AF2	Fundamentals of anatomy and physiology II.	Z,ZK	4
BAB31GEN	Genetics	ZK	3
The subject provides students of technical disciplines with basic information about genetics with an emphasis on modern genetic disciplines and knowledge that is closely related to the issue of medical electronics and especially bioinformatics. The focus is on the organization and function of the human genome, including its possible pathologically significant changes and the techniques used to determine them. Students will also learn basic information about clinical genetics, genetic counseling, genetic testing, as well as their possible ethical and legal issues. The conclusion of the course also deals with original and modern approaches enabling targeted editing of the genome, especially the so-called gene therapy. Although the majority of the curriculum is oriented towards the human organism, knowledge about the genetics of other living systems - especially prokaryotes and viruses - is part of the teaching.			
BAB31UBI	Introduction to bioengineering	KZ	4
The course presents the basics of biomedical engineering and provides illustrative examples of projects performed by the faculty teams.			
BAB31ZZS		KZ	4
BAB34BMS	Biomedical sensors	Z,ZK	4
BAB34BSP	Biomedical Sensors Practically	KZ	4
The aim of the course is to gain experience with design, implementation and testing of practical constructions with sensors for biomedical applications and with regard to the needs of students of FEE who will realize the practical final work.			
BAB34MNS		Z,ZK	4
The content of the course are knowledge of new principles of operation of components and systems with micro-dimensions, microsystems, microsensors and microactuators usable in biomedicine, microsurgery, etc. The course points to new possibilities of implementation and application of integrated microcomponents working with various physical and biochemical principles and quantities using mainly MEMS technology. Physical principles of operation of microsystems and microactuators, classification, parameters, design, integration, signal processing, linearization, calibration, system intelligence, applications of microactuators (electrostatic, piezoelectric, thermal, chemical and biochemical, optical, ..). The course introduces modern solutions in biomedicine, action elements in conjunction with sensors, whose operation is based on basic physical and biochemical principles, including basic applications in micromanipulation, microrobots. The course presents the principles of touch screens, energy microgenerators.			
BAB36PRGA	Programming in C	Z,ZK	6
BAB37APO	Applied Optics	Z,ZK	4
BAB37ZPR	Programming Essentials	Z,ZK	6
BBAP20	Bachelor thesis	Z	20
BBPROJ4		Z	4
BEZB	Safety in Electrical Engineering for a bachelor's degree	Z	0
The purpose of the safety course is to give the students basic knowledge of electrical equipment and installation as to avoid danger arising from operation of it. This introductory course contains fundamentals of Safety Electrical Engineering. In this way the students receive qualification of instructed person that enables them to work on electrical equipment.			

BEZZ

Basic health and occupational safety regulations

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The guidelines were worked out based on The Training Scheme for Health and Occupational Safety designed for employees and students of the Czech Technical University in Prague, which was provided by the Rector's Office of the CTU. Safety is considered one of the basic duties of all employees and students. The knowledge of Health and Occupational Safety regulations forms an integral and permanent part of qualification requirements. This program is obligatory.

For updated information see <http://bilakniha.cvut.cz/en/f3.html>

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