

Recommended pass through the study plan

Name of the pass: Open Informatics - Passage through study

Faculty/Institute/Others: Faculty of Electrical Engineering

Department:

Pass through the study plan: Open Informatics

Branch of study guaranteed by the department: Common courses

Guarantor of the study branch:

Program of study: Open Informatics

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
B4B01DMA	Discrete Mathenatics Petr Habala Petr Habala Petr Habala (Gar.)	Z,ZK	5	2P+2S	Z	P
B0B01LAG	Linear Algebra Ji í Velebil, Kateřina Helisová, Josef Dvořák, Matěj Dostál Ji í Velebil (Gar.)	Z,ZK	8	4P+2S	Z	P
B0B36PRP	Procedural Programming Jan Faigl Jan Faigl Jan Faigl (Gar.)	Z,ZK	6	2P+2C	Z	P
BEZZ	Basic health and occupational safety regulations Vladimír Křel, Radek Havlíček, Ivana Nová Radek Havlíček Vladimír Křel (Gar.)	Z	0	2BP+2BC	Z	P
B4B33RPH	Solving Problems and other Games Tomáš Svoboda, Petr Pošík Tomáš Svoboda Tomáš Svoboda (Gar.)	KZ	6	2P+3C	Z	P
2018_BOIVOL	Volitelné odborné předměty	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
B0B35APO	Computer Architectures	Z,ZK	5	2P+2L	L	P
BEZB	Safety in Electrical Engineering for a bachelor's degree Vladimír Křel, Radek Havlíček, Ivana Nová Radek Havlíček Vladimír Křel (Gar.)	Z	0	2BP+2BC	Z,L	P
B0B01LGR	Logic and Graphs Matěj Dostál, Alena Gollová Matěj Dostál Marie Demlová (Gar.)	Z,ZK	5	3P+2S	Z,L	P
B0B01MA1	Mathematical Analysis 1 Karel Pospíšil, Josef Tkadlec Josef Tkadlec (Gar.)	Z,ZK	7	4P+2S	Z,L	P
B4B38PSIA	Computer Networks	Z,ZK	5	2P+2L	L	P
B0B36PJV	Programming in Java	Z,ZK	6	2P+3C	L	P
2018_BOIVOL	Volitelné odborné předměty	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_BOIVOL	Volitelné odborné předměty	Min. cours. 0	Min/Max 0/999			v

List of courses of this pass:

Code	Name of the course	Completion	Credits
B0B01LAG	Linear Algebra	Z,ZK	8
B0B01LGR	Logic and 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 semantic consequence and of the relationship between a formula and its model is stressed. Further, basic notions from graph theory are introduced.			
B0B01MA1	Mathematical Analysis 1	Z,ZK	7
The aim of the course is to introduce students to basics of differential and integral calculus of functions of one variable.			
B0B35APO	Computer Architectures	Z,ZK	5
B0B36PJV	Programming in Java	Z,ZK	6
B0B36PRP	Procedural Programming	Z,ZK	6
B4B01DMA	Discrete Mathematics	Z,ZK	5
In this course students meet some important topics from the field of discrete mathematics. Namely, they will explore divisibility and calculations modulo n, diophantine equations, binary relations, induction, cardinality of sets, and recurrence equations. The second aim of this course is to teach students the language of mathematics, both passively and actively, and introduce them to mathematics as science.			
B4B33RPH	Solving Problems and other Games	KZ	6
The main motivation is to let students to deal with real-world problems properly. When working on real problems the student shall learn how to decompose the big problem, how to define interfaces, how to test and validate individual steps and so on. Many problems will actually be beyond the first-year-student skills. And many problem will not be solved in the optimal way. The unsolved parts should motivate the students to study difficult theoretical subjects. They should generate the important questions. Ideally, at the end of the subject, the student should be eager to study deeper about informatics. The course also explains the basis of the object oriented design, software testing, ways for writing readable and robust codes.			
B4B38PSIA	Computer Networks	Z,ZK	5
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	Z	0
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>

Generated: day 30. 10. 2020, time 06:04.