Recomended pass through the study plan

Name of the pass:

Faculty/Institute/Others: Faculty of Electrical Engineering Department: Pass through the study plan: Software Engineering and Technology Branch of study guranteed by the department: Welcome page Guarantor of the study branch: Program of study: Software Engineering and Technology 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 semes	ster: 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
BEZZ	Basic health and occupational safety regulations Vladimír K la, Radek Havlí ek, Ivana Nová Radek Havlí ek Vladimír K la (Gar.)	Z	0	2BP+2BC	Z	Ρ
B0B36ZAL	Introduction to Programming Ji í Vok ínek Ji í Vok ínek Ji í Vok ínek (Gar.)	Z,ZK	6	2P+2C+8D	Z	Ρ
B6B01ZDM	Introduction to Discrete Mathematics Jaroslav Tišer Jaroslav Tišer Jaroslav Tišer (Gar.)	Z,ZK	5	2P+2S+2D	Z	Ρ
B6B39ZMT	Foundations of Multimedia Production Roman Berka, František Rund Roman Berka Roman Berka (Gar.)	KZ	3	4P+4L+2D	Z	Ρ
B6B38ZPS	Basics of Computer Systems Ji í Novák Ji í Novák Ji í Novák (Gar.)	Z,ZK	6	4P+2L+2D	Z	Ρ
B6B36ZSO	Introduction to Project Management Martin Dobiáš, Jitka Pinková, Pavel Náplava Pavel Náplava Pavel Náplava (Gar.)	КZ	5	2P+2C+5D	Z	Ρ
B6B39ZWA	Foundations of Web Applications Martin Klíma, Martin Mudra Martin Klíma Martin Klíma (Gar.)	Z,ZK	5	2P+2C+3D	Z	Р

Number of seme	ster: 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
BEZB	Safety in Electrical Engineering for a bachelor's degree Vladimír K la, Radek Havlí ek, Ivana Nová Radek Havlí ek Vladimír K la (Gar.)	Z	0	2BP+2BC	Z,L	Ρ
B0B36DBS	Database Systems Martin imná Martin imná Martin imná (Gar.)	Z,ZK	6	2P+2C+4D	L	Р
B6B01LAG	Linear Algebra Ji í Velebil Ji í Velebil Ji í Velebil (Gar.)	Z,ZK	7	4P+2C+2D	L	Р
B0B36PJV	Programming in Java Ji í Vok ínek, Ladislav Serédi, Martin Mudroch Ji í Vok ínek Ji í Vok ínek (Gar.)	Z,ZK	6	2P+3C+7D	L	Ρ
B6B36SMP	Analysis and Modeling of Software Requirements Martin Komárek Martin Komárek Martin Komárek (Gar.)	Z,ZK	6	2P+3C+3D	L	Р
B6B36TS1	Software Testing Karel Frajták, Miroslav Bureš Miroslav Bureš Miroslav Bureš (Gar.)	Z,ZK	5	2P+2C+2D	L	Ρ

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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B0B04B2Z	English language B2 - exam Dana Saláková, Petra Jennings, Michael Ynsua Petra Jennings Petra Jennings (Gar.)	Z,ZK	0	0C	Z,L	Ρ
B6B01MAA	Mathematics Analysis Natalie Žukovec Natalie Žukovec (Gar.)	Z,ZK	5	2P+2S+2D	Z	Р
B6B36OMO	Object-oriented design and Modeling David Kadle ek David Kadle ek (Gar.)	Z,ZK	6	2P+2C+4D	Z	Р
B6B32PSI	Computer Networks Zbyn k Kocur, Tomáš Van k, Leoš Bohá Ján Ku erák Leoš Bohá (Gar.)	Z,ZK	5	2P + 2C + 3D	Z	Ρ
B6B36PCC	Programming in C/C++ Radek Havlí ek, Ingrid Nagyová, Karel Richta Karel Richta Karel Richta (Gar.)	Z,ZK	5	2P+2C+4D	Z	Ρ
B0B39MM1	Multimedia 1 Roman Berka, František Rund, Libor Husník František Rund Roman Berka (Gar.)	Z,ZK	6	2P+2L+8D	Z	PS
BE4B39VGO	Creating graphic content Ladislav molík Ladislav molík (Gar.)	Z,ZK	6	2P+2C+8D	Z	PS

Number of seme	ster: 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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B6B36DSA	Data Structures and Algorithms Karel Richta Karel Richta Karel Richta (Gar.)	Z,ZK	6	2P+3C+3D	L	Р
B6B16INS	Information Systems Pavel Náplava, Jan Ko í Pavel Náplava Pavel Náplava (Gar.)	KZ	4	2P+2S+3D	L	Р
B6B36NSS	Design of Software Systems Ji í Šebek Ji í Šebek Ji í Šebek (Gar.)	Z,ZK	5	2P+2C+2D	L	Ρ
B6B01PRA	Statistics and Probability Kate ina Helisová, Jakub Stan k, Miroslav Korbelá, Veronika Sobotíková Kate ina Helisová Kate ina Helisová (Gar.)	Z,ZK	5	2P+2S+1D	L	Ρ
B0B39TVS	Tvorba virtuálních sv t David Sedlá ek David Sedlá ek (Gar.)	KZ	4	2P+4L+18D	L	PS
2021_BSITPVS2	Povinn volitelné p edm ty - specializace Technologie pro multimédia a virtuální realitu B2M32DSVA,B6B37MM2, (see the list of groups below)	Min. cours. 2 Max. cours. 4	Min/Max 10/22			PV

Number of seme	ester: 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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B0M32KSB	Cryptography and Network Security Tomáš Van k Petr Hampl Tomáš Van k (Gar.)	Z,ZK	6	2P+2L+4D	Z	Р
B6B36PM2	Management of Software Projects Karel Frajták, Miroslav Bureš Miroslav Bureš (Gar.)	KZ	4	2P+2C+2D	Z	Р
B6BPROJ6	Semestral Project Ji í Šebek, Jaroslav Sloup, Petr Pošík Jaroslav Sloup Jaroslav Sloup (Gar.)	Z	6	2s	L,Z	Р
B0B39VAR	3D Modeling and Virtual Reality David Sedlá ek, Ji í Žára David Sedlá ek David Sedlá ek (Gar.)	Z,ZK	6	2P+2C+8D	Z	PS
		Min. cours.				
2021_BSITPVS2	Povinn volitelné p edm ty - specializace Technologie pro		Min/Max			
	multimédia a virtuální realitu B2M32DSVA,B6B37MM2, (see the list of groups below)	Max. cours.	10/22			PV
		4				
2021_BSITVOL		Min. cours.	Min/Max			
	Volitelné odborné p edm ty	0	0/999			V

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	Ρ
2021_BSITVOL		Min. cours.	Min/Max			N/
	Volitelné odborné p edm ty	0	0/999			V

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

Kód		Name of group (fo	of the group of courses and codes of members of this (for specification see here or below the list of courses)			Com	pletion	Credit	s Scope	Semester	Role
2021_BSI				edm ty - specializace Technologie pro		Min.	cours.	Min/Ma	x		PV
B2M32DSVA	Distributed	Computing		B6B37MM2	Multimedia 2		B0B39P0	GR (Computer gra	phics program	ming
B6B39TDM	3D Modelir	ng			-						
2021_BSI	_BSITVOL Volitelné odborné p edm ty			Min.	cours. 0	Min/Ma 0/999	x		v		

List of courses of this pass:

Code	Name of the course	Completion	Credits					
B0B04B2Z	English language B2 - exam	Z,ZK	0					
I) The B2 English E	xam is a compulsory subject for all Faculty of Electrical Engineering students at the Czech Technical University. According to the Stud	dy and Examinatio	n Rules and					
	dents at CTU (Part III, Article 4), a compulsory subject is one "whose completion is a necessary condition in order to successfully co							
In addition, this re	equires the "passing of an examination evaluated on the scale A, B, C, D, or E" (SERR Part III, Article 6). II) According to the Comm	non European Frar	nework of					
Reference for Lang	uages (CEFR), an international standard for describing language ability, the definition of an English language learner who has achieve	ed the B2 (Upper-In	termediate)					
level is one who "	.can understand the main ideas of complex text on both concrete and abstract topics, including technical discussions in his/her field	of specialisation. C	an interact					
with a degree of fl	uency and spontaneity that makes regular interaction with native speakers quite possible without strain for either party. Can produce	clear, detailed text	on a wide					
	and explain a viewpoint on a topical issue giving the advantages and disadvantages of various options." III) Students who have succ							
international exam	within the past five years may present their certificate to the Department of Languages, Faculty of Electrical Engineering. Upon approximate the past five years may present their certificate to the Department of Languages, Faculty of Electrical Engineering.		hen exempt					
	from both the Written Test and the Oral Part. For a list of approved international exams go the department website: http://jazyky.fel	.cvut.cz/						
B0B36DBS	Database Systems	Z,ZK	6					
The course is desig	ned as a basic database course mainly aimed at the student ability to design a relational data model and to use the SQL language f	or data definition a	s 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	• •	ise system					
	architecture and their management. They will verify their knowledge during the elaboration of a continuously submitted seminar							
B0B36PJV	Programming in Java	Z,ZK	6					
The course builds on the basics of algorithms and programming from the first semester and introduces students to the Java environment. The course also focus on the object concept								
	e. The topics of the course includes exceptions, event handling, and building a graphical interface. Basic library methods, working wit							
will be introduced.	An important topic is models of multithreaded applications and their implementation. Practical exercises of practical skills and knowled	ge of Java is tested	1 in the form					
of solving partial ta	sks and semester work, which will be submitted continuously through the source code version control system. The semester work sc	• ·	oints for the					
	correctness and efficiency of the code, as well as points that take into account the quality of the source codes, their readability and	reusability.						
B0B36ZAL	Introduction to Programming	Z,ZK	6					
B0B39MM1	Multimedia 1	Z,ZK	6					
	udents knowledge necessary to produce and edit multimedia content using variety of tools and creative methods. Lectures are focused							
. .	hods and approaches commonly used in commercial and alternative creation processes. The presented topics include production pr							
interactive multimed	dia applications, data formats and compression methods, technical equipment to record video, lighting devices and their control. The co		roblematics					
	of archivation and distribution of multimedia content. The part of the course is also a project with use of presented technologies and							
B0B39PGR	Computer graphics programming	Z,ZK	6					
B0B39TVS	Tvorba virtuálních sv t	KZ	4					
B0B39VAR	3D Modeling and Virtual Reality	Z,ZK	6					
Students get an overview of basic techniques for modeling spatial objects and scenes. They learn to create simple, but highly interactive and animated objects in a virtual space.								
Theoretical background is practiced using VRML/X3D specification. Besides fully 3D virtual environments, other approaches like augmented reality or panoramic images are introduced.								
	The aim is also to make connections between virtual reality browsers and other software components widely used on the we	eb.						
B0M32KSB	Cryptography and Network Security	Z,ZK	6					
	curity course provides a complete source of information on the field of security of information systems and information technologies. T							
society is created	I, transferred, stored in electronic form so information security is very important part of it. Technical background for information securi	ity is provided by c	ryptology.					

B2M32DSVA Distributed Computing 2.2.K The ocurus & focused in the holgs of the makes provide structure computing on methods and significant and secure control of application processes, programmeter de dommunication channels and up-ic-state maldleware technologies. A significant part of lectures is declared to distributed applications (proprints) must assure causality, exclusion control control of the providence of computing. The document is characterized to the male computing and security. B6B011MAG Linear Algebra Z.Z.K The ocurus & focused to the holgs of differential and lineage and activity. It controls is the basic computing methods and their applications (proprints). Taylor polyn and differential and lineage and their applications (proprints). Taylor polyn and differential control in the basic computing methods and their applications (proprints). Taylor polyn and differential control in the basic computing methods and their applications (proprints). The document with a speciations or continuum distributions, numerical characteristic of mathematical states and their applications (proprints). The document with a speciations or continuum distributions, numerical characteristic of mathematical states and their applications (proprints). The document is the application of proprints). The document is the application of the proprint of the scale control or distributions. Numerical characteristic distributions, explicit and the docuption of abstribution and their applications in proton distributions. The document is the application of the document is the document is the document is the document in the document is th				r
Interfaces of communication channels and up-to-cate middlewate technologies. A significant part of lectures is dedicate to distributed adjustimes that assure causality, exclu access, dealford, detector/working, mobile computing, and security. B6B011LAC Linear Algebra ZZK B6B011MA Mthematics Analysis ZZK The course is an introduction to differential and indefined from length with stage/lactures, sequences and series. B6B011PRA Biol Index Computing and the sequence of functions, limits of functions, derivative and its applications (grapping, Taylor polyn and derivative) with stage/lactures, sequences and series. B6B011PRA Biol Index Computing and mathematical statistics, namely to the basic computing methods and their applications (grapping, Taylor polyn and derivative) and mathematical statistics, namely to the basic computing and statistics of random variables, their miter and the caused on deasarial probability. B6B012DM International Computing and Statistics of the sequence of the se	The course is locu			6
access, deadlox detection/workano, furth-loterance, mobile computing, and security. B6B011MA Linear Algebra Z,ZK B6B011MA Mathematics Analysis Z,ZK B6B011MA Statistics and Probability Z,ZK B6B011PRA Statistics and Probability Z,ZK B6B011PRA Statistics and Probability Z,ZK B6B011PRA Statistics and Probability The access and earlies. B6B011PRA Statistics and Probability The access and earlies. B6B011PRA The access and earlies. The rest period probability and mathematical statistics, meet to be able access on access and earlies. The access and earlies. B6B012DM Introduction to Discrete Mathematics. The access and earlies. The access and earlies. B6B012DM Introduction to Discrete Mathematics. Z,ZK No No advanced moveleges of mathematics are required at the beginning of the course. Using illustrative examples we build sufficient understanding of combinations, state and earlies. RCZ No B6B11DN Information system indemation system indemation asset and earlies. RCZ No B6B16012DN The access and the intrestation system indemation system indemation system i				
B6B01MAA Mathematics' Analysis ZZK The course is an introduction to differential and negro clausis, to cover basic properties of functions, derivative and its applications (graphing, Taylor polyn and definition terms). Statistics and Probability ZZK SBB01PRA Statistics and Probability of the basic parts of probability and mathematical statistics, namely to the basic parts of probability in protects. The course and transformations, examples of the most important types of discrete and continuous distributions, numerical characteristics of motion vortability. The students will be introduction to Discrete Mathematica and transformations. Probabilities in course and the application is a statistical mathematics. ZZK B6B01ZDM Introduction to Discrete Mathematics are quice and the case of the course. Using illustrative examples we build sufficient understanding of combinatoris, set and generalized with the GRN. ZZK B6B16INS Information Systems KZ The part of the course is to themilianties students with the information system inplementation principles. During the course, students are trainitized with the CRN. FRN RPI and other types of information system implementation and information system is explicit. The explication system is explicit. The explication of a statistical mathematics, and application is parts the statistical statistical statistical mathematics and explicit. B6B16INS Information System S ZZK B6B362DEX Detatistical mathematics and explication of principles. During the course, studentesto implementation anystem benedical, weakeed inform			accure caucality,	
B6B01MAA Mathematics' Analysis ZZK This course is an indocticin to differential and integri calcular, it covers basic properties of Marchens, limits of functions, derivative and its applications (graphing, Taylor polyn and definition of the sport of	B6B01LAG	Linear Algebra	Z,ZK	7
This course is an introduction to differential and integral calculus. It covers basic properties of functions, direktwork and its applications (graphing, Taylor polynomial of the course is the introduction to the theory of probability and mathematical statistics, analy to be basic computing methods and their applications in practices. The course is the basic parts of probability and mathematical statistics, manity to be basic computing methods and their applications in practices. The course is the basic parts of probability and mathematical statistics. The first part is focused on disastical methods for estimating distribution parameters and testing hypotheses. B68012DM Introduction to Discrete Mathematics are required at the beginning of this course. Using illustrative examples we build sufficient understanding of combinations, set and general calculus. The oppositional calculus. The oppositional calculus is to deministing the ourse, students are influend to mathematica are required at the beginning of this course. Using illustrative examples we build sufficient understanding of combinations, set and general information systems are fund and with the CRM, EFR MRP and other types of information systems are fund and with the CRM, EFR MRP and other types of information systems are fund and with the CRM, EFR MRP and other types of information systems are fund and with the CRM, EFR MRP and other types of information systems are fund and with the CRM, EFR MRP and other types of information systems are fund and and the course information systems are fund and the course information system are are analysed, sustance intervalues and the course information systems are analysed. Sustance intervalues and the analyse, sustance intervalues and the course information systems are and	B6B01MAA			5
B6B01FRA Statistics and Probability Z.Z.K The structers will be introduced to the hony of probability and mathematical statistics, many to the basic computing methods and their angle of the cost incomator and material statistics. The net part of probability the net part of probability the net part of probability in the decay of the basic properties of the cost incomator hype of discusse using multical haucderated conductance and estimating distribution parameters and testing hypotheses. B6B01ZDM Information Systems could be approximately and incomation and the part of the basic composition and accusates. B6B16INS Z.Z.K The goal of the course is to familiarise students with the information systems topic and information systems implementation principles. During the course, students are familiarise to any students and the course is the information systems implementation and information system sequences. KZ The goal of this course is to familiarise students with the information systems topic and information system sequences. Statistics. The sequence and the course information system and the is usage in applicit inducty. The durate information system and the is usage in applicit inducty. The information system sequence and system security. KZ B6B36DSA Computer Networks ZZ.K E6B36DSA ZZ.K B6B36DSA Deals for the ourse is the information system security. Register information system security. Registeresecurity. B6B36DSA	his course is an ir		; (graphing, Taylor	polynomial
The students will be introduced to the flexory of probability and mathematical statistics, namely to the basic corroruling methods and their applications in practice. The course of the basic corror probability and mathematical statistics. The first part is focused on classical probability, including conditional probability. The next part desk with the theory of ne variables and their distributions, numerical characteristics of random variables. Their independence and transformations. Probabilistic including and the basic corror probability and mathematics are required at the baginning of this course. Using illustrative examples we build sufficient understanding of combinatories, are and go theorem. There was probability and mathematics are required at the baginning of this course. Using illustrative examples we build sufficient understanding of combinatories, are and go theorem. There was probability and mathematics are required at the baginning of this course is to familiarise students with the information systems topic and information system implementation and information systems is descent information system is earlier and was topic and information system subsection. Advantation of Information system independence and vascing information system subsection, valuation of information system independence is the introducing to keyle data or to develop a new one form sortsch. These statuss determine the information system is the information system or to develop a new one form sortsch. These statuss determines the information system is a data decide whether it is better to implementation and information systems or develop a new one form sortsch. These status determines the information system is a data decide whether it is better on information systems or develop a new one form sortsch. These statuss determines the information system is a data decide whether it is better to implementation and information systems or develop and was develop in develop and the status deta determines of status decide with the information		and definite/indefinite integral with its applications, sequences and series.		
the basic parts of probability and mathematical statistics. The first part is focused on classical probability, including conditional probability. The next part deals with the theory of raviables and their distributions, examples of the mathematical distribution parameters and testing hypotheses. B6B012DM Introduction to Discrete Mathematics Z,ZK B6B16INS Introduction to Discrete Mathematics Z,ZK Introduction to Discrete Mathematics KZ KZ The gal of this course. Using illustrative examples we build sufficient understanding of combinances, set and gate theory. Them we proceed to formal construction of propositional calculus. KZ Information Systems Normation Systems and their usage in septicin inducts are enalisized with the CRM. ERP MRP and other types of information system or to develop a new one from scarts. These factor determine the information system implementation inplementation and information system or to develop a new one from scarts. These factor determine the information system registementation and information system and below setting information system or to develop a new one from scarts. These factor determine the information system registementation and the course information system security, operations. support, minintenance, legislation impacts, and government information system registers and Algorithms Z,ZK B6836DSA Data Structures and Algorithms Z,ZK B6836DSA Data Structures and Algorithms Z,ZK B6836DSA Data Structures and Algorithms Z,ZK B	B6B01PRA	Statistics and Probability	Z,ZK	5
variables and their districtions, examples of the most important types of discrete and continuous distributions, numerical characteristics of random variables, their independence and transformations, Probabilistic knowledge in them used in the description of statistical methods for estimating distribution parameters and testing hypotheses. Using illustrative examples we build sufficient understanding of combinatorics, set and g theory. Then we proceed to formal construction of propositional calculus. B6B16INS B6B16INS Information Systems KZ B6B16INS Information Systems KZ B6B16INS Information Systems KZ B6B16INS Information Systems Information system implementation in the course is the introduction to key ideas of an information system simplementation principles. During the course, students are introduct "on the market" existing types of systems and their usage in specific industry segments. Students are lemiliarised with the CMR, ERP, MRP and other types of information system in plenementation is the introduction to key ideas of to develop a new one from scratch. These factors determine the information system in plenementation and information system is election, velocation of information system integlementation and information system specifical velocation of the set or in plenementation and information system specifical velocation of the set or in plenementation and information system specifical velocation of the set or in plenementation and information systems security, operation, support, maintenance, legislation impacts, and government information systems is a calculated existem existing in foreation systems or the set or set of the set or in plenementation and information system and addication were set of the set or inplenementation and indicating plane and set of the set or inplenementation and information system and addication were set and the set or inplenementation and information system set or information system set oreserving in CCn+ EB336DNA Data Structures and 			-	
and transformations. Probabilistic knowledge is then used in the description of statistical methods for estimating distribution parameters and testing hypothesis. 66B012DM Introduction to Discrete Mathematics Z_ZK No stdvnered knowleges of mathematics are required at the beginning of this course. Using illustrative examples we build sufficient understanding of combinatorics, set and g theory. There we pioceded to tormal construction of propositional calculus. KZ B6B16INS Information Systems implementation protectional calculus. KZ The goal of this course is to familiaries students with the information system signementation protectional calculus. KZ The doal of this course is to familiaries students with the information system signementation and information system inplementation based on the project management principles. The emphasis is on the initial customer analysis, customer insight and at decide whether it is better to implement any existing information systems usport, maintenance, legislation information system signes and information systems security, operation, support, maintenance, legislation information system signes and the course information system security, operation, support, maintenance, legislation information system signes and the course information system security, operation, angot information systems and the information system security, operation, angot, support, maintenance, legislation information system signes and to develop a new one from scratch. These factors are secured secures and apportent secures are apportent apportent secures and apportent secures are apportent secures areading secures a				-
B6B012DM Introduction to Discrete Mathematics Z,ZK No advanced knowleges of mathematics are required at the beginning of this course. Using illustrative examples we build sufficient understanding of combinatorics, set and g the post of this course is to familiarise students with the information systems topical minomation systems implementation principles. During the course, students are introduc 'on the market' existing types of systems and their usage in specific industry segments. Students are familiarised with the CRM. ERP. MFP and other types of information system implementation and information system inplementation to key idea are dan information system selection, evaluation of information system insight and all decide whether its better is implementation to key idea are dan information system selection, evaluation of information system insight and all decide whether its better is implementation systems security, operation, support, maintenance. legislation impacts, and government information system selection, expression for the initial customer analysis, customer insight and all decide whether its better is implementation systems security, operation, support, maintenance. legislation impacts, and government information system stepics are discussed. B6B36DSA Data Structures and Algorithms Z,ZK B6B36DMO Object-oriented design and Modeling Z,ZK B6B36DMP Analysis and Modeling of Software Requirements Z,ZK B6B36SMP Analysis and Modeling of Software Requirements Z,ZK B6B36SMP Analysis and Modeling of Software Requirements Z,ZK B6B36SMP				
No advanced knowleges of mathematics are required at the beginning of this course. Using Illustrative examples we builds sufficient understanding of combinatorics, set and g theory. Then we proceed to formal construction of propositional calculus. B6B16INS Information Systems KZ The goal of this course is to familiaries students with the information systems inplementation principles. During the course, students are introduce or the market vesting types of systems and their usage in specific industry segments. Students are introduce implementation and information systems inplementation based on the project management principles. The emphasis is on the initial customer analysis, customer insight and at decide whether it is better to implement any existing information systems or to develop a new one from scratch. These factors determine the information system sequence into the course information systems security, operation, support, maintenance. legislation impacts, and government information systems or to develop a new one from scratch. These factors determines the information system security, operation, support, maintenance. legislation impacts, and government information systems or to develop a new one from scratch. These factors are scretch set of the course information systems security, operation, support, maintenance. legislation impacts, and government information systems or ball as Structures and Algorithms Z_ZK B6B36DSA Data Structures and Algorithms Z_ZK B6B36PCC Programming in C/C++ Z_ZK B6B36SMP Analysis and Modeling of Software Requirements Z_ZK B6B36SGSA Inforduction to Project Management.				5
Iteory. Then we proceed to formal construction of propositional calculus. KZ B6B16INS Information Systems topic and Information systems implementation principles. During the course, students are introduit. *on the market" existing types of systems and their usage in specific industry segments. Students are familiarised with the CMM_ERP. MRP and other types of information system *The fundamental part of the course is the information system selection, evaluation of information system selections or is device and other types of any system selection, evaluation of information system information system information system selections. The emphasis is on the initial customer analysis, customer insight and all decide witherit is better to implementation systems security, operation, support, maintenance, legislation impacts, and government information systems topica are discussed. B6B326PS1 Computer Networks Z,ZK B6B336DS3 Design of Software Systems Z,ZK B6B36PCC Programming in C/C++ Z,ZK B6B36PD2 Analysis and Modeling of Software Projects KZ B6B36BMP Analysis, documentation, management, students also will gain knowledge on using the most widely to graphic notation - VML. B6B36FS1 Software Projects KZ B6B36FS1 Software Project Management and will will be added with weight and provide and structures and sould and their of the processor and its instruction set. Computer technology and computer networks. The fol			,	-
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application. The subject ends with an oral and written exam.	•			
B6BPROJ6 Semestral Project Z				
	B6BPROJ6	Semestral Project	Z	6
Individual or team work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and provided by the speci		· · · ·	d provided by the	
department/departments. The project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution of the projects can be for	Individual or te		f the projects can	be found or
the web pages of the selected department. Within this course the project is also defended.		the web pages of the selected department. Within this course the project is also defended.		1
	lepartment/depart			20
	BBAP20			
The aim of this course is to provide theory behind geometric modeling and modeling of materials, give students an overview of methods used in the process of creating 2D and another the students and the students and the students are the students and the students are the students	BBAP20 BE4B39VGO	Creating graphic content	Z,ZK	6
graphics and how to apply those methods in praxis. At the seminars, students will learn how to design and create three-dimensional scene, create and apply textures imitating ma	BBAP20 BE4B39VGO The aim of this co	Creating graphic content	Z,ZK ocess of creating	6 2D and 3D
	BBAP20 BE4B39VGO The aim of this co	Creating graphic content ourse is to provide theory behind geometric modeling and modeling of materials, give students an overview of methods used in the provide those methods in praxis. At the seminars, students will learn how to design and create three-dimensional scene, create and app	Z,ZK ocess of creating	6 2D and 3D
	BBAP20 BB4B39VGO The aim of this cc graphics and how to	Creating graphic content ourse is to provide theory behind geometric modeling and modeling of materials, give students an overview of methods used in the pro o apply those methods in praxis. At the seminars, students will learn how to design and create three-dimensional scene, create and app (e.g., wall finishes, wood, sky) and geometrical details, and position and set-up lights in the scene.	Z,ZK ocess of creating ply textures imitati	6 2D and 3D ng material
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 of	BBAP20 BE4B39VGO The aim of this cc graphics and how to BEZB	Creating graphic content ourse is to provide theory behind geometric modeling and modeling of materials, give students an overview of methods used in the pro- o apply those methods in praxis. At the seminars, students will learn how to design and create three-dimensional scene, create and app (e.g., wall finishes, wood, sky) and geometrical details, and position and set-up lights in the scene. Safety in Electrical Engineering for a bachelor's degree	Z,ZK ocess of creating ply textures imitati Z	6 2D and 3D ng material: 0

BEZZ	Basic health and occupational safety regulations	Z	0
The guidelines wer	e worked out based on The Training Scheme for Health and Occupational Safety designed for employees and students of the Czech	echnical Universit	/ in Prague,
which was provide	d by the Rector's Office of the CTU. Safety is considered one of the basic duties of all employees and students. The knowledge of He	alth and Occupati	onal Safety
	regulations forms an integral and permanent part of gualification requirements. This program is obligatory.		

For updated information see <u>http://bilakniha.cvut.cz/en/f3.html</u> Generated: day 2024-05-18, time 22:50.