Recomended pass through the study plan

Name of the pass: Software Engineering and Technology

Faculty/Institute/Others: Faculty of Electrical Engineering

Department:

Pass through the study plan: Software Engineering and Technology Branch of study guranteed by the department: Common courses

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 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
B6B04PRE	Presentation Petra Jennings, Jitka Pinková Jitka Pinková Petra Jennings (Gar.)	KZ	3	1P+1C	Z	Р
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	Р
B6B36ZAL	Introduction to Programming Ji í Vok ínek Ji í Vok ínek Ji í Vok ínek (Gar.)	Z,ZK	5	2P+2C+2D	Z	Р
B6B01ZDM	Introduction to Discrete Mathematics Jaroslav Tišer Jaroslav Tišer Jaroslav Tišer (Gar.)	Z,ZK	5	2P+2S+2D	Z	Р
B6B39ZMT	Foundations of Multimedia Production Roman Berka, František Rund Roman Berka Roman Berka (Gar.)	KZ	3	4P+4L+2D	Z	Р
B6B38ZPS	Basics of Computer Systems Ji í Novák Ji í Novák Ji í Novák (Gar.)	Z,ZK	6	4P+2L+2D	Z	Р
B6B36ZPR	Introduction to Project Management Pavel Náplava Pavel Náplava (Gar.)	KZ	3	4P+4C+2D	Z	Р
B6B39ZWA	Foundations of Web Applications Martin Klíma, Martin Mudra Martin Klíma Martin Klíma (Gar.)	Z,ZK	5	2P+2C+3D	Z	Р

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
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	Р
B0B36DBS	Database Systems Martin imná Martin imná (Gar.)	Z,ZK	6	2P+2C+4D	L	Р
B6B01LAG	Linear Algebra 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	Р
B6B36SMP	Analysis and Modeling of Software Requirements Martin Komárek Martin Komárek (Gar.)	Z,ZK	6	2P+3C+3D	L	Р
B6B36TS1	Software Testing Karel Frajták, Miroslav Bureš Miroslav Bureš (Gar.)	Z,ZK	5	2P+2C+2D	L	Р

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 Petra Jennings, Dana Saláková, Michael Ynsua Petra Jennings Petra Jennings (Gar.)	Z,ZK	0	0C	Z,L	Р
B6B36EAR	Enterprise Architectures Petr Kemen, Petr Aubrecht Petr Kemen Petr Kemen (Gar.)	KZ	5	2P+2C+2D	Z	Р
B6B01MAA	Mathematics Analysis Natalie Žukovec Natalie Žukovec (Gar.)	Z,ZK	5	2P+2S+2D	Z	Р
В6В36ОМО	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	Р
B6B36PJC	Programming in C/C++ Radek Havlí ek, Ingrid Nagyová, Karel Richta Karel Richta Karel Richta (Gar.)	KZ	4	2P+2C+2D	Z	Р
B6B16ZPD	Business Economics Martin Dobiáš, Ji í Vaší ek, Martin Horák, Blanka Ku erková Martin Dobiáš Martin Dobiáš (Gar.)	Z,ZK	5	2P+2S+2D	Z	Р

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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B6B36DSA	Data Structures and Algorithms Karel Richta Karel Richta 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	Р
B6B01PST	Statistics and Probability Kate ina Helisová, Jakub Stan k, Miroslav Korbelá, Veronika Sobotíková Kate ina Helisová Kate ina Helisová (Gar.)	Z,ZK	4	2P+2S+1D	L	Р
B6B36RSP	Management of Software Projects Karel Frajták, Miroslav Bureš Miroslav Bureš Miroslav Bureš (Gar.)	Z,ZK	6	3P+2C+3D	L	Р
BSITMPV	Povinn volitelné p edm ty B6B32DSV,B6B16FIP, (see the list of groups below)	Min. cours.	Min/Max 20/78			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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
B6B32KAB	Cryptography and Information Security Tomáš Van k Petr Hampl Tomáš Van k (Gar.)	Z,ZK	5	2P + 2L + 2D	Z	Р
B6B16PIT	Law for IT Martin Dobiáš, Michal Briaský Martin Dobiáš Martin Dobiáš (Gar.)	Z,ZK	4	3P+1S+1D	Z	Р
B6B36PRO	Semestral Project Ji í Vok ínek, Martin Tomášek, Ji í Šebek, Ivan Jelínek Ji í Vok ínek Ji í Vok ínek (Gar.)	KZ	6	2s	L,Z	Р
BSITMPV	Povinn volitelné p edm ty	Min. cours.	Min/Max			D) /
DOLLINIEA	B6B32DSV,B6B16FIP, (see the list of groups below)	4	20/78			PV
DCTM\/OLCI	V. II	Min. cours.	Min/Max			.,
BSTMVOLSI	Volitelné 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	Р

BSITMPV	Povinn volitelné p edm ty B6B32DSV,B6B16FIP, (see the list of groups below)	Min. cours.	Min/Max 20/78	PV	
BSTMVOLSI	Valitaly é y adma to	Min. cours.	Min/Max		1
BSTWIVOLSI	Volitelné p edm ty	0	0/999	l v	

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

Kód		Name of the group ogroup (for specificat	f courses an	d codes of members of this or below the list of courses)	Com	pletion	Credits	Scope	Semester	Role
BSITI	MPV	Povi	inn volitelné	n adm tv	Min.	cours.	Min/Ma	ĸ		PV
	•••	100	iiii voitteille	nn volitelné p edm ty		4	20/78			
B6B32DSV	Distributed	Computing	B6B16FIP	Corporate finance		B6B16M	PR D	ecision Mak	ing Methods	
B0B39MM1	Multimedia	1	B6B37MM2	Multimedia 2		B6B32S	Г2 A	Advanced Networking Technolog		ologies
B6B39PDA	Principles	of mobile application	B6B16ISP	Business Process Management		B0B39P0	PPGR Computer graphics program		phics programi	ning
B6B32SOS	Network O	perating Systems	B6B36SPS	Computer Networks Administration)	B6B32Tk	(S T	elecommunio	cations Networl	KS
B6B39TUR	User Interf	ace Testing	B0B39KAJ	Client applications in JavaScrip		B6B16ZI	ΛI N	larketing Res	search	
B6B39TDM	3D Modelin	ng								
					Min.	cours.	Min/Max	ĸ		
BSTMVOLS	/OLSI		Volitelné p e	dm ty		0	0/999			٧

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 Students	dy and Examination	n Rules and
Regulations for Stu	idents at CTU (Part III, Article 4), a compulsory subject is one "whose completion is a necessary condition in order to successfully co	mplete the study p	rogramme."
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 Comn	non European Fran	nework of
Reference for Lang	uages (CEFR), an international standard for describing language ability, the definition of an English language learner who has achieve	d the B2 (Upper-In	itermediate)
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	Can interact
•	luency and spontaneity that makes regular interaction with native speakers quite possible without strain for either party. Can produce		
	and explain a viewpoint on a topical issue giving the advantages and disadvantages of various options." III) Students who have successful and explain a viewpoint on a topical issue giving the advantages and disadvantages of various options." III) Students who have successful and explain a viewpoint on a topical issue giving the advantages and disadvantages of various options."		
international exam	within the past five years may present their certificate to the Department of Languages, Faculty of Electrical Engineering Upon appro		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
_	gned 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 querying and	to choose the appropriate degree of transaction isolation. Students will also get acquainted with the most commonly used indexing t		ise system
	architecture and their management. They will verify their knowledge during the elaboration of a continuously submitted seminar	task.	
B0B36PJV	Programming in Java	Z,ZK	6
	on the basics of algorithms and programming from the first semester and introduces students to the Java environment. The course als	•	
	ge. The topics of the course includes exceptions, event handling, and building a graphical interface. Basic library methods, working witl		
	An important topic is models of multithreaded applications and their implementation. Practical exercises of practical skills and knowled	•	
of solving partial ta	sks and semester work, which will be submitted continuously through the source code version control system. The semester work so	•	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 i	reusability.	
B0B39KAJ	Client applications in JavaScript	Z,ZK	5
B0B39MM1	Multimedia 1	Z,ZK	6
The course gives st	udents knowledge necessary to produce and edit multimedia content using variety of tools and creative methods. Lectures are focused	on presentation o	f standards,
•	thods 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	methods.	
B0B39PGR	Computer graphics programming	Z,ZK	6
B6B01LAG	Linear Algebra	Z,ZK	7
B6B01MAA	Mathematics Analysis	Z,ZK	5
This course is an ir	ntroduction to differential and integral calculus. It covers basic properties of functions, limits of functions, derivative and its applications	s (graphing, Taylor՝	polynomial)
	and definite/indefinite integral with its applications, sequences and series.		
B6B01PST	Statistics and Probability	Z,ZK	4
The students will h	be introduced to the theory of probability and mathematical statistics, namely to the basic computing methods and their applications in	n practice. The cou	irse covers
the basic parts of p	robability and mathematical statistics. The first part is focused on classical probability, including conditional probability. The next part d	eals with the theor	y of random

variables and their distributions, examples of the most important types of discrete and continuous distributions, numerical characteristics of random variables, their independence, sums and transformations. Probabilistic knowledge is then used in the description of statistical methods for estimating distribution parameters and testing hypotheses.

B6B01ZDM			1
	Introduction to Discrete Mathematics	Z,ZK	5
No advanced knowle	eges of mathematics are required at the beginning of this course. Using illustrative examples we build sufficient understanding of c theory. Then we proceed to formal construction of propositional calculus.	combinatorics, set	and graph
B6B04PRE	Presentation	KZ	3
B6B16FIP	Corporate finance	Z,ZK	5
B6B16INS	Information Systems	KZ	4
	e is to familiarise students with the information systems topic and information systems implementation principles. During the cours		1 -
-	ng types of systems and their usage in specific industry segments. Students are familiarised with the CRM, ERP, MRP and other t		
The fundamental p	part of the course is the introduction to key ideas of an information system selection, evaluation of information system benefits, was	ys of information	systems
	formation system implementation based on the project management principles. The emphasis is on the initial customer analysis,	_	-
	tter to implement any existing information system or to develop a new one from scratch. These factors determine the information sy	=	
	e course information systems security, operation, support, maintenance, legislation impacts, and government information systems	•	ssea.
B6B16ISP	Business Process Management	Z,ZK Z,ZK	5
B6B16MPR B6B16PIT	Decision Making Methods Law for IT	Z,ZK Z,ZK	4
B6B16ZMI	Marketing Research	Z,ZK Z,ZK	5
B6B16ZPD	Business Economics	Z,ZK Z,ZK	5
		Z,ZK	5
B6B32DSV	Distributed Computing I on technologies that support distributed computing: on mechanisms ensuring reliable, efficient and secure connection of applica	•	1
	inication channels and up-to-date middleware technologies. A significant part of lectures is dedicated to distributed algorithms that		-
	access, deadlock detection/avoidance, fault-tolerance, mobile computing, and security.	,,	
B6B32KAB	Cryptography and Information Security	Z,ZK	5
	ity course provides a complete source of information on the field of security of information systems and information technologies. The		
	ansferred, stored in electronic form so information security is very important part of it. Technical background for information securi		
B6B32PSI	Computer Networks	Z,ZK	5
B6B32SOS	Network Operating Systems	Z,ZK	5
	tems, Linux, Unix. Administration and network tools, managing and administration of documentation. The graduates will be informed		nception ar
B6B32ST2	edures in operating systems administration (UNIX) and gain the basic facility in operating systems configuration based on the x 8 Advanced Networking Technologies	Z,ZK	5
B6B32TKS	Telecommunications Networks	Z,ZK	5
B6B36DSA	Data Structures and Algorithms	Z,ZK	6
B6B36EAR	Enterprise Architectures	KZ	5
	proverview of enterprise system architectures, focusing on Spring and Java EE. Students will become familiar with the most common		
	is. In particular, the focus will be put on the principles of inversion control, dependency injection and Java Bean lifecycle. Pairs of s	•	
related design pattern	is. In particular, the locus will be put on the philopies of inversion control, dependency injection and sava bean illecycle. I also of s	students will prepa	are a simple
related design pattern	enterprise application as their semestral work.	students will prepa	are a simple
B6B36NSS		students will prepa	are a simple
	enterprise application as their semestral work.		<u> </u>
B6B36NSS	enterprise application as their semestral work. Design of Software Systems	Z,ZK	5
B6B36NSS B6B36OMO	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling	Z,ZK Z,ZK	5
B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and	Z,ZK Z,ZK KZ KZ d provided by the	5 6 4 6 specific
B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and ts. The project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution of	Z,ZK Z,ZK KZ KZ d provided by the	5 6 4 6 specific
B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and ts. The project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution of the web pages of the selected department. Within this course the project is also defended.	Z,ZK Z,ZK KZ KZ d provided by the of the projects can	5 6 4 6 specific be found o
B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team department/department	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and its. The project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution of the web pages of the selected department. Within this course the project is also defended. Management of Software Projects	Z,ZK Z,ZK KZ KZ d provided by the of the projects can Z,ZK	5 6 4 6 specific be found o
B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team department/department B6B36RSP B6B36SMP	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and the project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution the web pages of the selected department. Within this course the project is also defended. Management of Software Projects Analysis and Modeling of Software Requirements	Z,ZK Z,ZK KZ KZ d provided by the of the projects can Z,ZK Z,ZK	5 6 4 6 specific be found of
B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team department/department B6B36RSP B6B36SMP	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and the project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution of the web pages of the selected department. Within this course the project is also defended. Management of Software Projects Analysis and Modeling of Software Requirements topic of requirements engineering. Their gathering, analysis, documentation, management, Students also will gain knowledge or	Z,ZK Z,ZK KZ KZ d provided by the of the projects can Z,ZK Z,ZK	5 6 4 6 specific be found of
B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team department/department B6B36RSP B6B36SMP This course covers the	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and the project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution of the web pages of the selected department. Within this course the project is also defended. Management of Software Projects Analysis and Modeling of Software Requirements topic of requirements engineering. Their gathering, analysis, documentation, management, Students also will gain knowledge or graphic notation - UML.	Z,ZK Z,ZK KZ KZ Id provided by the of the projects can Z,ZK Z,ZK using the most w	5 6 4 5 specific be found of 6 6 6 idely spream
B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team department/	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and its. The project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution of the web pages of the selected department. Within this course the project is also defended. Management of Software Projects Analysis and Modeling of Software Requirements topic of requirements engineering. Their gathering, analysis, documentation, management, Students also will gain knowledge or graphic notation - UML. Computer Networks Administration	Z,ZK Z,ZK KZ KZ Id provided by the off the projects can Z,ZK Z,ZK using the most w Z,ZK	5 6 4 6 specific be found of 6 6 idely spread
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B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team epartment/department B6B36RSP B6B36SMP This course covers the B6B36SPS B6B36TS1 B6B36ZAL	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and its. The project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution of the web pages of the selected department. Within this course the project is also defended. Management of Software Projects Analysis and Modeling of Software Requirements topic of requirements engineering. Their gathering, analysis, documentation, management, Students also will gain knowledge or graphic notation - UML. Computer Networks Administration Software Testing Introduction to Programming	Z,ZK Z,ZK KZ KZ d provided by the of the projects can Z,ZK Z,ZK using the most w Z,ZK Z,ZK Z,ZK Z,ZK Z,ZK	5 6 4 6 specific be found of the found of th
B6B36NSS B6B36OMO B6B36PJC B6B36PRO Individual or team department/department B6B36RSP B6B36SMP This course covers the B6B36SPS B6B36TS1 B6B36ZAL B6B36ZPR	enterprise application as their semestral work. Design of Software Systems Object-oriented design and Modeling Programming in C/C++ Semestral Project work in form of a project. Student selects the subject of their project from the list of topics relevant to the studied specialization and its. The project's subject can be closely related to the future Bachelor thesis. Further instructions for the selection and resolution of the web pages of the selected department. Within this course the project is also defended. Management of Software Projects Analysis and Modeling of Software Requirements topic of requirements engineering. Their gathering, analysis, documentation, management, Students also will gain knowledge or graphic notation - UML. Computer Networks Administration Software Testing Introduction to Programming Introduction to Project Management	Z,ZK Z,ZK KZ KZ Id provided by the of the projects can Z,ZK Z,ZK L using the most w Z,ZK Z,ZK L Z,ZK KZ,ZK KZ	5 6 4 6 specific be found of 6 6 6 5 5 5 5 3
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B6B39TUR	User Interface Testing	Z,ZK	5
Students will learn	the basic principles of user interface testing in the context of User-Centered Design. The course covers the most important topics in	this field so that s	tudents can
run their own (eith	er quantitative or qualitative) user interface tests. Another important part of the course is the topic of disabilities that users can suffer	from. The tutorials	s cover the
	entire cycle of conducting tests (incl. infrastructure, ethics concerns), running tests and methods for its evaluating.		
B6B39ZMT	Foundations of Multimedia Production	KZ	3
The course famil	iarizes students with the basic principles of acquisition and processing of multimedia content, with a focus on image processing, vide	o and audio, as w	ell as the
principles of grap	hic design and its implementation in a web environment. The course is organized within the block teaching when, within four days, st	udents gradually p	oass each
section of the cours	e divided into two lectures and two workshops each day. Students will acquire the practical principles in the acquisition and processir	ng of multimedia c	ontent while
they use several	different types of instruments at the application level and at the level of simple code. All students will apply the knowledge gained with	nin the last day de	dicated to
composition	on rules within a Web project. After completing the course, students will carry out their own independent project and after its submiss	on will be assess	ed.
B6B39ZWA	Foundations of Web Applications	Z,ZK	5
The subject is focu	ssing on the creation and maintenance of web presentations. It covers the creation of data structures (HTML), graphical design (CSS), and dynamics of	n the client
side (Javascript)	. The course continues with server-side dynamics programmed in PHP 7 language. The students will learn how to handle forms and l	now to create a si	mple web
	application. The subject ends with an oral and written exam.		
BBAP20	Bachelor thesis	Z	20
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 introdu	ctory course
contains funda	mentals of Safety Electrical Engineering. In this way the students receive qualification of instructed person that enables them to work	on electrical equ	ipment.
BEZZ	Basic health and occupational safety regulations	Z	0
The guidelines were	e worked out based on The Training Scheme for Health and Occupational Safety designed for employees and students of the Czech 🗍	echnical Universit	y in Prague,

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 2024-05-21, time 10:32.