Study plan

Name of study plan: N-PRI-CP prezen ní navazující studium od 21/22 Project Management

Faculty/Institute/Others: Department: Branch of study guaranteed by the department: Welcome page Garantor of the study branch: Program of study: Innovation Project Management Type of study: Follow-up master full-time Required credits: 120 Elective courses credits: 0 Sum of credits in the plan: 120 Note on the plan:

Name of the block: Compulsory courses Minimal number of credits of the block: 81 The role of the block: Z

Code of the group: PROJM CP 2S 21/22POV Name of the group: Povinné p edm ty, prezen ní forma, 2.semestr, 21/22 Project Management Requirement credits in the group: In this group you have to gain 18 credits Requirement courses in the group: In this group you have to complete 5 courses Credits in the group: 18 Note on the group:

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
G63C2301	Controlling Arnošt Klesla	Z,ZK	6	2P+2C	L	Z
G63C2302	Financial Law	ZK	3	2P+0C		Z
G63C2201	Microeconomic Theory František H ebík	ZK	3	2P+0C	*	Z
G00C3101	Diploma Thesis Project Petr Vym tal Petr Vym tal	Z	0	1P+0C		Z
G16C2501	HR Management Systems	Z,ZK	6	2P+2C		Z

Characteristics of the courses of this group of Study Plan: Code=PROJM CP 2S 21/22POV Name=Povinné p edm ty, prezen ní forma, 2.semestr, 21/22 Project Management

G63C2301 Controlling Z.ZK 6 Controlling methods are presented from the initial detection of deviations to advanced models of managerial decision support in strategic horizons in the context and against the background of the management of basic business processes with an emphasis on the processes determining the effect of added value in the company's activities. The tasks of controlling are systematically explained according to the time perspective in the scope of corporate strategies and operational management, including the role of the controller in the individual phases of management from analysis to reporting. The content of the course is also focused on the presentation of methods and management tools that can be used to manage individual components (entities) in mutual interaction, especially in the area of cost management. Examples of models and case studies and tasks are used to present the key principles of controlling in the company. G63C2302 ΖK **Financial Law** 3 G63C2201 ΖK Microeconomic Theory 3 The course introduces the analysis of the theory of consumer, the theory of firm, and the market interactions of consumers and firms G00C3101 7 0 **Diploma Thesis Project** G16C2501 HR Management Systems Z,ZK 6 The course is focused on the development of managerial skills in managing people in the organization. Through lectures and seminars, students will learn effective strategies, policies and practices for efficient people management in the organization and the main tasks of managers in various activities of people management in the organization.

Code of the group: PROJM CP 3S 21/22POV

Name of the group: Povinné p edm ty, prezen ní forma, 3.semestr, 21/22, Project Management Requirement credits in the group: In this group you have to gain 21 credits Requirement courses in the group: In this group you have to complete 4 courses

Credits in the group: 21 Note on the group:

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
G63C3201		ZK	3	2P+0C	Z	Z
G16C3103		Z,ZK	6	2P+2C		Z
G16C3102	Innovation Management and Innovation Project	Z,ZK	6	2P+2C		Z
G16C3101		Z,ZK	6	2P+2C	Z	Z

Characteristics of the courses of this group of Study Plan: Code=PROJM CP 3S 21/22POV Name=Povinné p edm ty, prezen ní forma, 3.semestr, 21/22, Project Management

G63C3201		ZK	3
G16C3103		Z,ZK	6
G16C3102	Innovation Management and Innovation Project	Z,ZK	6
a macroeconomic view	prerequisites and barriers to innovation, sources of innovation, strategic considerations of innovation, process innovation, process innovation, process innovation, process innovation, and the role of innovation, organizational support and management of innovation, soft methods and techniques of innovation, and economic aspects of innovation, intellectual property of innovation and legal aspects.		
G16C3101		Z,ZK	6

Code of the group: PROJM CP 4S 21/22POV

Name of the group: Povinné p edm ty, prezen ní forma, 4.semestr, 21/22, Project Management Requirement credits in the group: In this group you have to gain 18 credits Requirement courses in the group: In this group you have to complete 2 courses Credits in the group: 18 Note on the group:

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
G00C4102	Diploma Thesis Petr Vym tal	Z	12			Z
G63C4401	Information System Design	Z,ZK	6	2P+2C		Z

Characteristics of the courses of this group of Study Plan: Code=PROJM CP 4S 21/22POV Name=Povinné p edm ty, prezen ní forma, 4.semestr, 21/22, Project Management

G00C4102	Diploma Thesis	Z	12
G63C4401	Information System Design	Z,ZK	6
Fundamental terms, info	prmation systems architecture, basic types of software applications for information system of enterprise, information system li	ecycle, approach	es to information
system development, m	anagement information systems, web audit, business process modeling using BPMN, UML and others, information system n	nodeling - UML ar	d data modeling
using ER diagrams			

Code of the group: PROJM CP 1S21/22 POV

Name of the group: PRI CP navazující studium specializace Project Management 1. semestr povinné p edm ty Requirement credits in the group: In this group you have to gain 24 credits

Requirement courses in the group: In this group you have to complete 4 courses

Credits in the group: 24

Note on the group:

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
G16E1401	Marketing Innovations	Z,ZK	6	2P+2C	Z	Z
G16C1401	Innovation Marketing	Z,ZK	6	2P+2C		Z
G16C1201	Project Management	Z,ZK	6	2P+2C		Z
G63C1301	Corporate Financial Management	Z,ZK	6	2P+2C		Z
G63C1102	Statistical Analysis	Z,ZK	6	2P+2C		Z

Characteristics of the courses of this group of Study Plan: Code=PROJM CP 1S21/22 POV Name=PRI CP navazující studium specializace Project Management 1. semestr povinné p edm ty

G16E1401	Marketing Innovations				Z,ZK	6
	nnovation in marketing is to gain new customers, improve goodwill, increase sales and profita			0 0		•
•	should help identify new market opportunities and risks and improve the research of custome	•				•
	nt involvement of customers and users in this process. And at the end of the innovation proce ogy, and service to the target audience. Innovation marketing should therefore be present at		-			
-	in line with advances in products and technologies, which often lead to the application of new	-				
subject.		i manteting approx				
G16C1401	Innovation Marketing				Z,ZK	6
G16C1201	Project Management				Z,ZK	6
G63C1301	Corporate Financial Management				Z,ZK	6
	a comprehensive view of building the essential aspects of financial management of business	processes and pro	jects. Stude	1		o understar
the main concepts, to	ools and methods of financial management of processes and projects and their use in decisio	n-making practice	. Substantia	l emphasis	is placed on e	valuating th
	e of the company, evaluation and valuation of tangible and financial investment projects, work	ing capital manag	ement, meth	nods of fina	ncing the com	pany, proje
	f financial planning and forecasting, and valuation techniques.				7 71/	
G63C1102	Statistical Analysis	odo		4	Z,ZK	6
The course builds on	the introductory courses of statistics and prefaces slightly advanced statistical analysis meth	1005.				
Jama of the	block: Povinné p edm ty zam ení					
	ber of credits of the block: 18					
The role of th	ne block: PZ					
ade of the c	group: PROJM CP 21/22 SP					
	group: P edm ty specializace, prezen ní forma, 21/22		•			
Requirement	credits in the group: In this group you have to gain at	least 18 cr	edits (a	it most	: 24)	
Requirement	courses in the group:					
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Credits in the						
Note on the g						
	Name of the course / Name of the group of courses					
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	(in case of groups of courses the list of codes of their members)	Completion	Credits	Scope	Semester	Role
	members)	Completion	Credits	Scope	Semester	Role
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G16E2201	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management	KZ Z,ZK	3 6	0P+2C 2P+2C	Semester L	
	members) Tutors, authors and guarantors (gar.) Agile BootCamp	KZ Z,ZK Z,ZK	3	0P+2C		PZ
G16E2201	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management	KZ Z,ZK	3 6	0P+2C 2P+2C		PZ PZ
G16E2201 G16E0202 G16E0501	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management Social Competences in Project and Process Management	KZ Z,ZK Z,ZK	3 6 6	0P+2C 2P+2C 2P+2C		PZ PZ PZ
G16E2201 G16E0202 G16E0501	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management	KZ Z,ZK Z,ZK Z	3 6 6 3	0P+2C 2P+2C 2P+2C 0P+2C		PZ PZ PZ PZ
G16E2201 G16E0202 G16E0501 G16E1201	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management Social Competences in Project and Process Management	KZ Z,ZK Z,ZK Z Z,ZK	3 6 6 3 6	0P+2C 2P+2C 2P+2C 0P+2C 2P+2C	L	PZ PZ PZ PZ PZ
G16E2201 G16E0202 G16E0501 G16E1201 Characteristics	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management Social Competences in Project and Process Management Standards of Project Management of the courses of this group of Study Plan: Code=PROJM CP 21/22 Standards	KZ Z,ZK Z,ZK Z Z,ZK	3 6 6 3 6	0P+2C 2P+2C 2P+2C 0P+2C 2P+2C	L	PZ PZ PZ PZ PZ
G16E2201 G16E0202 G16E0501 G16E1201 Characteristics (21/22, Project Ma	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management Social Competences in Project and Process Management Standards of Project Management of the courses of this group of Study Plan: Code=PROJM CP 21/22 Standards	KZ Z,ZK Z,ZK Z Z,ZK	3 6 6 3 6	0P+2C 2P+2C 2P+2C 0P+2C 2P+2C	L	PZ PZ PZ PZ PZ
G16E2201 G16E0202 G16E0501 G16E1201 Characteristics of 21/22, Project Ma G16E0201 Agile Bootcamp course	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management Social Competences in Project and Process Management Standards of Project Management of the courses of this group of Study Plan: Code=PROJM CP 21/22 Sanagement Agile BootCamp se teaches students the fundamentals of Design Thinking and other agile innovation principles	KZ Z,ZK Z,ZK Z,ZK SP Name=P e	3 6 3 6 dm ty sp	0P+2C 2P+2C 0P+2C 2P+2C 2P+2C oecializa methods th	L Ce, prezen KZ at work well to	PZ PZ PZ PZ ní form 3 gether with
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G16E2201 G16E0202 G16E0501 G16E1201 Characteristics Characteri	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management Social Competences in Project and Process Management Standards of Project Management Standards of Project Management of the courses of this group of Study Plan: Code=PROJM CP 21/22 Sanagement Agile BootCamp se teaches students the fundamentals of Design Thinking and other agile innovation principles ional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will off cluding a practical test of the entire process. Teaching mode: completely online or hybrid, at a Modern Approaches in Project Management Project Technology Management anagement means not only decisions about one's own technological research, innovative cool ng tied up company resources, and poor decisions can pose significant financial problems for m commercial activities of technology management in a more comprehensive form. Technology structure and budget. After completing the course, students should answer the following fract	KZ Z,ZK Z,ZK Z,ZK SP Name=P e s. The course intro- er the right tools a specific time/weel peration, or techno- nost companies. Th project managem nework topics: del ovation radar, and	3 6 3 6 dm ty sp duces three and techniqu k during the blogy transfe herefore, it is nent is more tine the natu technology a	0P+2C 2P+2C 0P+2C 2P+2C 2P+2C Decializa methods the es for the d semester.	L Ce, prezen KZ at work well to lesign and imp Z,ZK Z,ZK gical innovatior to examine the ed, time-bound nce, and key f t. Explain the r	PZ PZ PZ PZ PZ ní form 3 gether with lementation 6 6 6 ns, especial e preparator d, and has unctions of relationship
G16E2201 G16E0202 G16E0501 G16E1201 Characteristics of Characteristics	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management Social Competences in Project and Process Management Standards of Project Management Of the courses of this group of Study Plan: Code=PROJM CP 21/22 Stanagement Agile BootCamp se teaches students the fundamentals of Design Thinking and other agile innovation principles ional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will off cluding a practical test of the entire process. Teaching mode: completely online or hybrid, at a Modern Approaches in Project Management Ianagement means not only decisions about one's own technological research, innovative cooping tied up company resources, and poor decisions can pose significant financial problems for m commercial activities of technology management in a more comprehensive form. Technology I structure and budget. After completing the course, students should answer the following framanagement with a focus on the analysis of technological trends, risks, and opportunities, innonent to the development of the product, production, and service technology. Characterize the of the company. Explain creating a project plan for implementing new technology. Clarify the ir	KZ Z,ZK Z,ZK Z,ZK SP Name=P e s. The course intro- er the right tools a specific time/weel peration, or techno- nost companies. Th project managem nework topics: del vation radar, and he process of tech	3 6 3 6 dm ty sp duces three and techniqu k during the blogy transfe herefore, it is nent is more tine the natu technology a nological for	0P+2C 2P+2C 0P+2C 2P+2C 2P+2C Decializa methods the es for the d semester.	L Ce, prezen KZ at work well to lesign and imp Z,ZK Z,ZK gical innovation to examine the ed, time-bound nce, and key f t. Explain the r esight, and cre	PZ PZ PZ PZ PZ ní form 3 gether with lementation 6 6 6 6 1 9 preparator d, and has unctions of relationship ation of the
G16E2201 G16E0202 G16E0501 G16E1201 Characteristics Characteri	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management Social Competences in Project and Process Management Standards of Project Management Of the courses of this group of Study Plan: Code=PROJM CP 21/22 Stanagement Agile BootCamp set eaches students the fundamentals of Design Thinking and other agile innovation principles ional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will off cluding a practical test of the entire process. Teaching mode: completely online or hybrid, at a Modern Approaches in Project Management Ianagement means not only decisions about one's own technological research, innovative cooping tied up company resources, and poor decisions can pose significant financial problems for m commercial activities of technology management in a more comprehensive form. Technology l structure and budget. After completing the course, students should answer the following fratianagement with a focus on the analysis of technological trends, risks, and opportunities, innoment to the development of the product, production, and service technology. Clarify the ir of the company. Explain creating a project plan for implementing new technology. Clarify the ir of the company. Explain creating a project plan for implementing new technology. Clarify the ir of the company. Explain creating a project plan for implementing new technology. Clarify the ir of the company. Explain creating a project plan for implementing new technology. Clarify the ir	KZ Z,ZK Z,ZK Z,ZK SP Name=P e s. The course intro- er the right tools a specific time/weel peration, or techno- nost companies. Th project managem nework topics: del vation radar, and he process of tech	3 6 3 6 dm ty sp duces three and techniqu k during the blogy transfe herefore, it is nent is more tine the natu technology a nological for	0P+2C 2P+2C 0P+2C 2P+2C 2P+2C Decializa methods the es for the d semester.	L Ce, prezen KZ at work well to lesign and imp Z,ZK Z,ZK gical innovation to examine the ed, time-bound nce, and key f t. Explain the r esight, and cre technological	PZ PZ PZ PZ PZ ní form 3 gether with lementation 6 6 6 ns, especial e preparator d, and has a unctions of relationship ation of the intellectual
G16E2201 G16E0202 G16E0501 G16E1201 Characteristics of 21/22, Project Ma G16E0201 Agile Bootcamp cours the same cross-funct of Design Sprints, inc G16E2201 G16E0202 Technology project m in production, have lo implementation, and project organizationa project technology m of business manager technology strategy of	members) Tutors, authors and guarantors (gar.) Agile BootCamp Modern Approaches in Project Management Project Technology Management Social Competences in Project and Process Management Standards of Project Management Of the courses of this group of Study Plan: Code=PROJM CP 21/22 Stanagement Agile BootCamp se teaches students the fundamentals of Design Thinking and other agile innovation principles ional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will off cluding a practical test of the entire process. Teaching mode: completely online or hybrid, at a Modern Approaches in Project Management Ianagement means not only decisions about one's own technological research, innovative cooping tied up company resources, and poor decisions can pose significant financial problems for m commercial activities of technology management in a more comprehensive form. Technology I structure and budget. After completing the course, students should answer the following framanagement with a focus on the analysis of technological trends, risks, and opportunities, innonent to the development of the product, production, and service technology. Characterize the of the company. Explain creating a project plan for implementing new technology. Clarify the ir	KZ Z,ZK Z,ZK Z,ZK SP Name=P e s. The course intro- er the right tools a specific time/weel peration, or techno- nost companies. Th project managem nework topics: del vation radar, and he process of tech	3 6 3 6 dm ty sp duces three and techniqu k during the blogy transfe herefore, it is nent is more tine the natu technology a nological for	0P+2C 2P+2C 0P+2C 2P+2C 2P+2C Decialization methods the es for the disemester.	L Ce, prezen KZ at work well to lesign and imp Z,ZK Z,ZK gical innovation to examine the ed, time-bound nce, and key f t. Explain the r esight, and cre	PZ PZ PZ PZ PZ ní form 3 gether with lementation 6 6 6 ns, especial e preparator d, and has a unctions of relationship ation of the

G16E1201 | Standards of Project Management The subject acquaints students with good experience in the field of standards of project management After completing the course, students will be prepared to pass the international

professional examinations.

Name of the block: Compulsory elective courses Minimal number of credits of the block: 21 The role of the block: PV

Code of the group: PROJM CP 21/22 PVT Name of the group: Povinn volitelné technické p edm ty, prezen ní forma, 21/22, Project Management

Requirement credits in the group: In this group you have to gain at least 9 credits Requirement courses in the group:

Credits in the group: 9

Note on the gro	oup.					
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
G77C0001	Technology Assessment	ZK	3	2P+0C	Z,L	PV
G77C0007	Communication Systems and Networks	ZK	3	2P+0C		PV
127LAHE	Landscape Heritage Ji í Kugl, Pavel Holubec, Jan Hendrych, Ji í Kupka Ji í Kupka Jan Hendrych (Gar.)	ZK	4	3C	Z,L	PV
G16E0103	Management in the Automotive Industry	Z,ZK	6	2P+2C		PV
G16C1302		Z,ZK	6	2P+2C		PV
G77C0003	Transportation Engineering Projects	ZK	3	2P+0C	Z,L	PV
G77C2011	Industry 4.0	Z,ZK	3	1P+1C		PV
G51C0401		Z	3	2P+0C		PV
G77C0008	Robotics	Z,ZK	6	2P+2C		PV
G16C0601	Technology Forecasting	Z,ZK	3	1P+1C		PV
G77C0004	Smart Cities Technologies	ZK	3	2P+0C	Z,L	PV
127USRM	Urban Structures and Urban Development Ji í Kugl, Ji í Kupka, Jan Mužík Jan Mužík (Gar.)	ZK	5	4P	Z	PV
G77C0009	Information Security Management and Implementation	ZK	3	2P+0C		PV

Characteristics of the courses of this group of Study Plan: Code=PROJM CP 21/22 PVT Name=Povinn volitelné technické p edm ty, prezen ní forma, 21/22, Project Management

G77C0001	Technology Assessment	ZK	3
G77C0007	Communication Systems and Networks	ZK	3
Telecommunication	ns: What does it all mean? We look into history and the future. We'll try it wired and wireless, even at the speed of light (or almost), on land, under	water, and in
space. For example	e: • How is electric current created? Painter Morse. Alexander, ring the bell! Telecommunications from the plane. • Do you know a	a Twisted Pair? How	v a landline
	elephone network becomes the Internet• Light and dark. Transmission of information by light.• Why are networks "mobile"? 1G		
	here and how elsewhere? • Satellite systems (J. Kepler + A. C. Clarke = E. Musk). What do Saturn and Earth have in common? I	-	
	akovice. • How television (including Internet) works. A football match and a drastic Clash of the Titans. • WiFi not working? Wi		
	hings. • The biggest mistakes in the history of telco business. The subject scrupulously avoids formulas and mathematical relation	nships (however, it	does not always
,	eywords are principles and clarity.	1	
127LAHE	Landscape Heritage	ZK	4
	natural, and ecological processes traditionally shape the human environment, our shared cultural landscape heritage. The course v I the appropriate conservation techniques and strategies for urban landscape heritage protection.	will reveal intrinsic v	alues, functions,
G16E0103	Management in the Automotive Industry	Z,ZK	6
G16C1302		Z,ZK	6
		714	0
G77C0003	Transportation Engineering Projects	ZK	3
	Industry 4.0 subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals	Z,ZK	3 of industrial
G77C2011 . Annotation The s revolutions, curren whole. Last but not	Industry 4.0	Z,ZK als with the history on the economy a ustry 4.0".	3 of industrial nd society as a
G77C2011 . Annotation The s revolutions, curren whole. Last but not G51C0401	Industry 4.0 subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deat t trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" t least, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Indu	Z,ZK als with the history on the economy a ustry 4.0". Z	3 of industrial nd society as a 3
G77C2011 . Annotation The s evolutions, curren vhole. Last but not G51C0401 G77C0008	Industry 4.0 subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals t trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" t least, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Indu Robotics	Z,ZK als with the history on the economy a ustry 4.0". Z Z,ZK	3 of industrial nd society as a 3 6
G77C2011 . Annotation The s evolutions, curren whole. Last but not G51C0401 G77C0008 G16C0601	Industry 4.0 subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals t trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" t least, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Indu Robotics Technology Forecasting	Z,ZK als with the history on the economy a ustry 4.0". Z,ZK Z,ZK	3 of industrial nd society as a 3
G77C2011 . Annotation The s evolutions, curren whole. Last but not G51C0401 G77C0008 G16C0601 G77C0004	Industry 4.0 Subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals to trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" tleast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry 4.0" Robotics Technology Forecasting Smart Cities Technologies	Z,ZK als with the history on the economy a ustry 4.0". Z,ZK Z,ZK Z,K	3 of industrial nd society as a 3 6 3 3
G77C2011 Annotation The sevolutions, curren whole. Last but not G51C0401 G77C0008 G16C0601 G77C0004 The subject Techno	Industry 4.0 Subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry 4.0" Robotics Technology Forecasting Smart Cities Technologies ology for Smart Cities introduces students to the interdisciplinary problematics of smart cities and places it in the context of the te	Z,ZK als with the history on the economy a ustry 4.0". Z,ZK Z,ZK Z,K	3 of industrial nd society as a 3 6 3 3
G77C2011 Annotation The sevolutions, curren vhole. Last but not G51C0401 G77C0008 G16C0601 G77C0004 The subject Techno development of so	Industry 4.0 Subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry 4.0" Robotics Technology Forecasting Smart Cities Technologies ology for Smart Cities introduces students to the interdisciplinary problematics of smart cities and places it in the context of the te	Z,ZK als with the history on the economy a ustry 4.0". Z,ZK Z,ZK Z,K	3 of industrial nd society as a 3 6 3 3
G77C2011 Annotation The s revolutions, curren whole. Last but not G51C0401 G77C0008 G16C0601 G77C0004 The subject Techno development of so 127USRM	Industry 4.0 Subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry 1.0" Robotics Technology Forecasting Smart Cities Technologies ology for Smart Cities introduces students to the interdisciplinary problematics of smart cities and places it in the context of the tectety.	Z,ZK als with the history on the economy a ustry 4.0". Z,ZK Z,ZK Z,ZK ZK echnological, socia	3 of industrial nd society as a 3 6 3 1 and economic 5
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G77C2011 Annotation The sevolutions, curren whole. Last but not G51C0401 G77C0008 G16C0601 G77C0004 The subject Techno development of so 127USRM The course deals we structure and form operational relation	Industry 4.0 Subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the characteristic features and Urban Development with the characteristic features of the city structure of the Czech Republic, individual types of human settlements, their importance. Students will learn to identify the characteristic features of cities and villages, their urban uniqueness, arrangement of spatial structures will learn to identify the characteristic features of cities and villages, their urban uniqueness, arrangement of spatial structures will learn to identify the characteristic features of cities and villages, their urban uniqueness.	Z,ZK als with the history on the economy a ustry 4.0". Z,ZK Z,ZK Z,ZK ZK echnological, social ZK ructure, functional to the forms of urb	3 of industrial nd society as a 3 6 3 I and economic 5 ind their urban composition and an development,
G77C2011 Annotation The sevolutions, curren whole. Last but not G51C0401 G77C0008 G16C0601 G77C0004 The subject Techno development of so 127USRM The course deals we structure and form operational relation.	Industry 4.0 Subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Industry teast, it deals with the characteristic features and Urban Development with the characteristic features of the city structure of the Czech Republic, individual types of human settlements, their importance. Students will learn to identify the characteristic features of cities and villages, their urban uniqueness, arrangement of spatial strustions will learn to identify the characteristic features of cities and villages, urban and architectural values. Attention is also paid	Z,ZK als with the history on the economy a ustry 4.0". Z,ZK Z,ZK Z,ZK ZK echnological, social ZK ructure, functional to the forms of urb	3 of industrial nd society as a 3 6 3 I and economic 5 ind their urban composition and an development,

Code of the group: PROJM CP 21/22 PVP Name of the group: Povinn volitené p edm ty, prezen ní forma, 21/22, Project management Requirement credits in the group: In this group you have to gain at least 12 credits Requirement courses in the group: Credits in the group: 12

Note on the group:

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
G63E4301	Advanced Topics in Financial Management	Z	3	0P+2C	L	PV
G16C0101	Balanced Scorecard	Z,ZK	6	2P+2C	Z,L	PV
G16E2302	Business Process Management	Z,ZK	6	2P+2C		PV
127CP11	City Planning 11 Ji í Kugl, Ji í Kupka, Ivan Horký, Václav Jetel Ji í Kugl Ji í Kugl (Gar.)	ZK	2	2P	Z,L	PV
G63E1301	Corporate Financial Management	Z,ZK	6	2P+2C		PV
G63E3301	Economic and Financial Modelling	KZ	3	0P+2C		PV
G63E0201	Economics of Climate Change	Z,ZK	6	2P+2C		PV
G04E0201	English for Intercultural Communication	Z,ZK	6	0P+4C	Z,L	PV
G65C0202	Environmental Aspects of Regional Development	ZK	3	2P+0C		PV
G65E4101	European Union and Regional Policy	ZK	3	2P+0C		PV
G63E2301	Financial Markets and Risk Management	Z,ZK	6	2P+2C	L	PV
G63E0202	Green Transition	Z,ZK	6	2P+2C		PV
32-IPW	International Project Workshop	ZK	3	45B		PV
127XKRS	Landscape and Settlements Ji í Kupka, Zuzana Pešková Ji í Kupka Ji í Kupka (Gar.)	Z	2	2P	L	PV
G16E1302	Lean Manufacturing	Z,ZK	6	2P+2C		PV
G16E0102	Managing in an International Environment	Z,ZK	3	1P+1C		PV
G04E0202	Meetings and Negotiations in English	Z,ZK	6	0P+4C	L	PV
G63E4201	Monetary Economics and Policy	Z,ZK	6	2P+2C		PV
G66C0101	Reflections of Technical Innovations in Culture	ZK	3	2P+0C	L	PV
G00C4104	Practice	Z	6	180XH		PV
G16C0301	Lean Management Practice	ZK	3	0P+2C		PV
G16E0203	Project Innovation Management	Z,ZK	6	2P+2C		PV
G51C0401		Z	3	2P+0C		PV
G65C0103		Z,ZK	3	1P+1C		PV
G65E2301	Regional Development and Planning	Z,ZK	6	2P+2C	Z,L	PV
G16C0104	Solving Real World Problems	ZK	3	0P+2C		PV
G16C0201	Service Design	Z,ZK	3	0P+2C		PV
G16E3301	Six Sigma	ZK	3	0P+2C		PV
G65E1301	Smart Cities and Regions	Z,ZK	6	2P+2C		PV
G16E0401	Strategies of Entering New Markets	Z,ZK	3	1P+1C		PV
127UKKO	Urban and Landscape Design Ji í Kupka, Zuzana Pešková, Ivan Vorel Ji í Kupka Zuzana Pešková (Gar.)	ZK	3	2P	L	PV
G65C0201	Territorial Management Planning	ZK	3	2P+0C		PV

Characteristics of the courses of this group of Study Plan: Code=PROJM CP 21/22 PVP Name=Povinn volitené p edm ty, prezen ní forma, 21/22, Project management

G51C0401		Z	3
G63E4301	Advanced Topics in Financial Management	Z	3
During the course will	be studied the strategies for recognizing the financial performance of firms. The market information drawn from the transactions	performed at the l	inancial markets
will be combined with	the internal corporative sources. Several approaches and indicators will be applied to assess the evolution of companies. The	course aims at ov	erhaul the path
research of the portfo	lio theory and recognize the main financial models intended to manage the assets. The exercises and theoretical perspective of	deal with a diversi	ty of strategies
developed for assigni	ng a portfolio of investment, combining assets of different degree of risk, underpining the position with the diversification princi	ple. The overview	starts with the
pioneering Markowitz	contribution; the course analyzes also the Merton Miller model of irrelevance of the equity-debt composition for the corporative	e structure of capi	tal. The analysis
includes also the Sha	rpe CAPM model. But previously, the student must be aware of all statistical concepts dealing with uncertainty, probability dist	ributions, confiden	ce intervals and
probability of default.	With the conducing background the course enters in the definition of VaR applications, in order to quantify the amounts of loses b	ased on the proba	bility distribution,
based on the Gaussia	an statistical theory. The estimation of measures of risk conveyed by each individual asset is run by econometric methods.		
G16C0101	Balanced Scorecard	Z,ZK	6
G16E2302	Business Process Management	Z,ZK	6
107CD11	City Dispring 11	71/	2

Concepts in urban space design in history, form of the city, typology of urban space, philosophies behind, practices of urban space design in European cultural context, land-use, planning controle, preservation of cities, urban ecology, trends and policies in urban planning and regional development.

G63E1301	Corporate Financial Management	Z,ZK	6
	hniques of corporations and firms when facing the financial markets. The portfolio analysis and the implications for the Corpo		
1.	tives for valuating the company. Applied tools for understanding the credit operations on the market. Elaboration of amortization of the second s		0
	nutes) weekly, 2 seminars (90 minutes) weekly. 6 credits. Z – zápo et, ZK zkouška (preliminary test and exam). This is compo nent. Heavily supported by Excel functions and formulas.	bsed by a theoreti	cal instruction
G63E3301		KZ	2
	Economic and Financial Modelling I in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Port		3
G63E0201		Z,ZK	6
G04E0201	Economics of Climate Change English for Intercultural Communication	Z,ZK Z,ZK	6
	In the importance of accuracy and comprehension in communication in a foreign language, and highlight cultural differences		-
	uage means in intercultural negotiations. Outline of the subject: . Approaches to culture . Cultural and language context in con		
-	ehaviour and language expression . International English as lingua franca . The most common mistakes as a cause of misun		
	dies on individual topics Language level: CEFR B2	Ū	
G65C0202	Environmental Aspects of Regional Development	ZK	3
G65E4101	European Union and Regional Policy	ZK	3
	evelopments in the EU and in the EU Regional Policy from the end of the Cold War until today. It focuses on relevant issues of		-
	discussions and presentations of various positions present in the debates (group projects / own positions). The objectives of t		
development of the EU,	analyse key points in particular areas of integration and practise argumentation skills.		
G63E2301	Financial Markets and Risk Management	Z,ZK	6
The analysis of the mar	agement of financial risk recently tends towards strategies for hedging the portfolio, and for designing an investment strategy	y based on divers	fication. The
course spans broad sec	tions implementing the principles of variable income and fixed income. The Financial Models evolved rapidly from the inception	of the Modern Th	eory of Portfolio.
, v	ance analysis, the CAPM, The Black-Litterman model, the disruptive framework implicit in the Black Scholes model for pricin	•	
	represent theoretical breakthroughs in the field of finance. When tackling this study, solid statistical basis and advanced skills i		
	the models based on important benchmarks rooted in Merton's options theoretic approach and explains default in structural		
	ompared to its debt obligations. Other model statistically decomposes observed risky debt prices into default risk premiums.		-
	of a loan or a portfolio of loans. In this vein, the curse pursuits to simplify the technical details and analytics surrounding thes nics and economic intuition. They learn to use market instruments and market analyses to design efficient investment and he		e e
	nagement hurled to financial markets.	uging strategies a	
G63E0202	Green Transition	Z,ZK	6
	times imagined as a technical question involving mostly energy production and industrial processes. Nonetheless, wider societ	· · ·	-
	ccessful transformation. The course introduces different transition approaches focusing on such wider frameworks and stress		
	ry, and social changes. Theoretical concepts of transformation will then be linked to current reality in specific regions (with en	-	
EU).			
32-IPW	International Project Workshop	ZK	3
407////00			
127XKRS	Landscape and Settlements	Z	2
	Landscape and Settlements sents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements	- 1	_
The optional course pres	•	s (urban and rural)	. It complements
The optional course pre- the series of compulsor	sents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements	s (urban and rural)	. It complements
The optional course pre- the series of compulsor	sents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements y and optional courses at Bachelor and Master level in Environmental Engineering and Architecture and Civil Engineering wi	s (urban and rural)	. It complements
The optional course pre- the series of compulsor and complementary top G16E1302 As a result of completin	sents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements y and optional courses at Bachelor and Master level in Environmental Engineering and Architecture and Civil Engineering wi ics that were not covered in the compulsory and optional courses. Lean Manufacturing g this course, the student should be able to: Describe and explain the main significance, meaning, and functions of innovatio	s (urban and rural) th various aspects Z,ZK n management w	It complements s, perspectives 6 th a focus on
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Successful innovation requires much more than the management of individual aspects of the innovation process within the institution; it also requires a systemic project approach that deals with the interactions between various stakeholders, their goals, objectives, markets, and organizations. Traditional innovation management usually focuses on goals and procedures for innovation planning, usually on implementation and control within the institution. Procedures are often repeated. This creates a framework that can limit project team members to working only within the set of rules and measures of the institution. However, most innovation projects require an individual approach so that project team members are highly flexible, innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a supportive corporate culture, a focus on the socio-ecological goals of innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects, Innovation management, the implementation and commercialization of innovation, and related intellectual property protection. After completing the course, the student should answer the following framework topics: how to identify and manage the framework of an innovations. The course includes approaches, experience, and examples of the best innovative companies. G65C0103 Z,ZK 3 G65E2301 Regional Development and Planning Z,ZK 6 he goal is to understand the reason, mission and specifics of regional and municipal development. A particular attention will be paid to the Middle-European planning, students should perceive development from the perspectives of different stakeholders and profests and municipal development. A particular attention will be paid to the Middle-European planning erspectives of different stakeholders and profests and management acquired during the study to solve real problems from economic practice. According to the perspectives of different stakeholders and				
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client's assignment, students solve the problem with the support of teachers who become their mentors.				
G16C0201 Service Design Z,ZK 3				
G16E3301 Six Sigma ZK 3				
The course is aimed at practical application of how the individual components (methods and techniques - mainly applied statistical methods and techniques) used in this approach and				
a common application of these components throughout the DMAIC cycle (Define, Measure, Analyze, Improve, Control).				
G65E1301 Smart Cities and Regions Z,ZK 6				
Smart Cities and Smart Regions study introduces students to the interdisciplinary issue Smart Cities, preparing concept SC and its planning and indicators.				
G16E0401 Strategies of Entering New Markets Z,ZK 3				
The choice to internationalize; the various entry modes; impact of international activity on the business plan; the export plan; the marketing plan; the implementation; relations with				
partners; follow up and the results.				
127UKKO Urban and Landscape Design ZK 3				
The course introduces selected chapters from urban and landscape composition and the theory of urbanism as a basis for urban and landscape design (city image, city environment,				
perception, landscape composition, composed landscape, cultural landmarks, the phenomenon of the garden in the historical context, etc.). The aim of the course is a comprehensive				
view of urban and landscape design as a creation of the environment. A theoretical basis and a sound analysis of existing towns and landscapes are subsequently a prerequisite for				
successful practical design. This extends the content of the basic urban planning courses from the Bachelor's degree. Theoretical issues are complemented by examples from history				
and examples of various urban analyses. It focuses mainly on the development of the urban form of Prague, its selected districts (Dejvice, Karlín), aspects of their planning (regulatory				
commissions) and some specific issues (high-rise buildings). The basic set of lectures is complemented by several extension topics by invited external speakers.				
G65C0201 Territorial Management Planning ZK 3				

List of courses of this pass:

Code	Name of the course	Completion	Credits		
127CP11	City Planning 11	ZK	2		
Concepts in urban space design in history, form of the city, typology of urban space, philosophies behind, practices of urban space design in European cultural context, land-use,					
	planning controle, preservation of cities, urban ecology, trends and policies in urban planning and regional development.				
127LAHE	Landscape Heritage	ZK	4		
Cultural, historical,	natural, and ecological processes traditionally shape the human environment, our shared cultural landscape heritage. The course will re	eveal intrinsic value	s, functions,		
	and character, and the appropriate conservation techniques and strategies for urban landscape heritage protection.				
127UKKO	Urban and Landscape Design	ZK	3		
The course introdu	es selected chapters from urban and landscape composition and the theory of urbanism as a basis for urban and landscape design	(city image, city e	nvironment,		
perception, landsca	ape composition, composed landscape, cultural landmarks, the phenomenon of the garden in the historical context, etc.). The aim of	the course is a con	nprehensive		
view of urban and	landscape design as a creation of the environment. A theoretical basis and a sound analysis of existing towns and landscapes are s	ubsequently a prer	equisite for		
successful practical design. This extends the content of the basic urban planning courses from the Bachelor's degree. Theoretical issues are complemented by examples from history					
and examples of va	rrious urban analyses. It focuses mainly on the development of the urban form of Prague, its selected districts (Dejvice, Karlín), aspec	ts of their planning	g (regulatory		
commissions) and some specific issues (high-rise buildings). The basic set of lectures is complemented by several extension topics by invited external speakers.					
127USRM	Urban Structures and Urban Development	ZK	5		
The course deals	The course deals with the characteristic features of the city structure of the Czech Republic, individual types of human settlements, their importance in the structure and their urban				
structure and form. Students will learn to identify the characteristic features of cities and villages, their urban uniqueness, arrangement of spatial structure, functional composition and					
operational relationships. Analyze their external and internal image. To identify their landscape, urban and architectural values. Attention is also paid to the forms of urban development,					
i.e. both their overall growth and the regeneration or transformation of their existing parts. It also deals with the structure and composition of public areas of cities and landscapes, their					
transformations, and the protection of historical, cultural and urban values.					
127XKRS	Landscape and Settlements	Z	2		
The optional course presents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements (urban and rural). It complements					
the series of compulsory and optional courses at Bachelor and Master level in Environmental Engineering and Architecture and Civil Engineering with various aspects, perspectives					
and complementary topics that were not covered in the compulsory and optional courses.					
32-IPW	International Project Workshop	ZK	3		
G00C3101	Diploma Thesis Project	Z	0		

G00C4102	Diploma Thesis	Z	12			
G00C4104	Practice	Z	6			
The classification of the subject of professional practice is based on the decision of the MÚVS VUT during their studies to give students the opportunity to acquire quality skills and						
experience. MU\	experience. MUVS supports the establishment of a relationship between students and companies and emphasizes their mutual cooperation Part of the study plans is short-term					
C04E0201	professional internship of a pilot nature.	Z,ZK	6			
G04E0201	English for Intercultural Communication In the importance of accuracy and comprehension in communication in a foreign language, and highlight cultural differences inf		6 cation and			
	language means in intercultural negotiations. Outline of the subject: . Approaches to culture . Cultural and language context in commu	•				
	on behaviour and language expression . International English as lingua franca . The most common mistakes as a cause of misunder					
	and activities . Case studies on individual topics Language level: CEFR B2	0 0	0			
G04E0202	Meetings and Negotiations in English	Z,ZK	6			
	s and Negotiations is part of a series of courses for follow-up students focused on functional language. The course is intended for stud					
	cuses on a collaborative model of the English language intended for a range of business or business meetings and negotiations. Altho	•				
	ontational negotiation and communication strategies, part of the explanation is devoted to strategies and language for preventing and					
situations. The cour	se is based on the modern, increasingly widespread model of "International English", ie international English understood as lingua fr	-	iterials work			
04000404	with recordings of native speakers of all English styles and focus on collocations and idiomatics of American and British Engl		0			
G16C0101	Balanced Scorecard	Z,ZK	6			
G16C0104	Solving Real World Problems	ZK	3			
The aim of the cou	rse is to apply knowledge from the field of economics and management acquired during the study to solve real problems from econo client's assignment, students solve the problem with the support of teachers who become their mentors.	mic practice. Acco	raing to the			
G16C0201		Z,ZK	3			
	Service Design	Z,ZK ZK	3			
G16C0301	Lean Management Practice burse is to apply knowledge from the field of lean management and lean manufacturing acquired during the study to solve real proble		-			
	According to the client's assignment, student teams solve the problem with the support of teachers who become their mento		practice.			
G16C0601	Technology Forecasting	Z,ZK	3			
G16C1201	Project Management	Z,ZK	6			
	Floject Management	,	-			
G16C1302	In a sub-time. Mandes the se	Z,ZK	6			
G16C1401	Innovation Marketing	Z,ZK	6			
G16C2501	HR Management Systems	Z,ZK	6			
	ed on the development of managerial skills in managing people in the organization. Through lectures and seminars, students will lea ices for efficient people management in the organization and the main tasks of managers in various activities of people managemen		-			
G16C3101		-				
	Innevation Management and Innevation Draight	Z,ZK	6			
G16C3102	Innovation Management and Innovation Project tion, prerequisites and barriers to innovation, sources of innovation, strategic considerations of innovation, process innovation, product	Z,ZK	6			
	view of the role of innovation, organizational support and management of innovation, soft methods and techniques of innovation, syste					
	techniques of innovation, economic aspects of innovation, intellectual property of innovation and legal aspects.					
G16C3103		Z,ZK	6			
G16E0102	Managing in an International Environment	Z,ZK	3			
	phase. Implementation: knowledge transfer and possible adaptations. Strategic partnership and consequences on the cooperation. I	· ·	-			
	e DFI and its constraints. Parent company versus locals. Managing multi-cultural teams. Remote management. Expatriation. Manage		-			
	Knowing oneself and developing ones competences.					
G16E0103	Management in the Automotive Industry	Z,ZK	6			
G16E0201	Agile BootCamp	KZ	3			
Agile Bootcamp cou	urse teaches students the fundamentals of Design Thinking and other agile innovation principles. The course introduces three method	s that work well tog	ether within			
the same cross-fur	nctional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will offer the right tools and techniques for the	ne design and imp	ementation			
of De	sign Sprints, including a practical test of the entire process. Teaching mode: completely online or hybrid, at a specific time/week durin	ng the semester.				
G16E0202	Project Technology Management	Z,ZK	6			
	management means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technology transfer.					
in production, have long tied up company resources, and poor decisions can pose significant financial problems for most companies. Therefore, it is necessary to examine the preparatory,						
implementation, and commercial activities of technology management in a more comprehensive form. Technology project management is more goal-oriented, time-bound, and has a project organizational structure and hudget. After completing the course, students should answer the following framework tonics: define the nature, importance, and key functions of						
project organizational structure and budget. After completing the course, students should answer the following framework topics: define the nature, importance, and key functions of project technology management with a focus on the analysis of technological trends, risks, and opportunities, innovation radar, and technology assessment. Explain the relationships						
of business management to the development of the product, production, and service technologies. Characterize the process of technological forecasts, foresight, and creation of the						
-	y of the company. Explain creating a project plan for implementing new technology. Clarify the importance of the necessary protectio					
	property and the need to commercialize their own technologies at the level of industry, region, or state.					
G16E0203	Project Innovation Management	Z,ZK	6			
Successful innovati	on requires much more than the management of individual aspects of the innovation process within the institution; it also requires a	systemic project ap	proach that			
	ctions between various stakeholders, their goals, objectives, markets, and organizations. Traditional innovation management usually for	•				
for innovation planning, usually on implementation and control within the institution. Procedures are often repeated. This creates a framework that can limit project team members to						
working only within the set of rules and measures of the institution. However, most innovation projects require an individual approach so that project team members are highly flexible, innovative, and creative. Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a supportive corporate culture, a focus on						
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	operty and how to implement and commercialise innovations. The course includes approaches, experience, and examples of the best	-				
G16E0401	Strategies of Entering New Markets	Z,ZK	3			
The choice to inte	ernationalize; the various entry modes; impact of international activity on the business plan; the export plan; the marketing plan; the in	nplementation; rela	ations with			
04050504	partners; follow up and the results.		2			
G16E0501	Social Competences in Project and Process Management	Z	3			

G16E1201	Standards of Project Management	Z,ZK	6		
The subject acqua	ints students with good experience in the field of standards of project management After completing the course, students will be prep	ared to pass the ir	nternational		
professional examinations.					
G16E1302	Lean Manufacturing	Z,ZK	6		
	npleting this course, the student should be able to: Describe and explain the main significance, meaning, and functions of innovation r	-			
	applications in the workplace. Explain the relationship between management, innovation management, and the main departments of				
	oduction, and manufacturing processes and related Lean manufacturing innovation processes. Create an innovation strategy and an i		with a focus		
	Lean. Clarify the importance of joint planning/forecasting of upcoming Lean products, services, and production technologies in the c		0		
G16E1401	Marketing Innovations	Z,ZK	6		
	of innovation in marketing is to gain new customers, improve goodwill, increase sales and profitability of the company. At the beginnir ng should help identify new market opportunities and risks and improve the research of customer needs. During developing a new pro	-	-		
	istant involvement of customers and users in this process. And at the end of the innovation process, innovation marketing ensures the		-		
	hnology, and service to the target audience. Innovation marketing should therefore be present at all stages of the innovation process in				
-	on is in line with advances in products and technologies, which often lead to the application of new marketing approaches. We addres				
	subject.				
G16E2201	Modern Approaches in Project Management	Z,ZK	6		
G16E2302	Business Process Management	Z,ZK	6		
G16E3301	Six Sigma	ZK	3		
	d at practical application of how the individual components (methods and techniques - mainly applied statistical methods and techniques)		-		
	a common application of these components throughout the DMAIC cycle (Define, Measure, Analyze, Improve, Control).		prodon and		
G51C0401		Z	3		
G63C1102	Statistical Analysis	Z,ZK	6		
00001102	The course builds on the introductory courses of statistics and prefaces slightly advanced statistical analysis methods.	۷.۵۲	0		
G63C1301	Corporate Financial Management	Z,ZK	6		
	es a comprehensive view of building the essential aspects of financial management of business processes and projects. Students have		-		
	tools and methods of financial management of processes and projects and their use in decision-making practice. Substantial empha	,			
	nce of the company, evaluation and valuation of tangible and financial investment projects, working capital management, methods of f	•	° I		
	financing, methods of financial planning and forecasting, and valuation techniques.				
G63C2201	Microeconomic Theory	ZK	3		
	The course introduces the analysis of the theory of consumer, the theory of firm, and the market interactions of consumers and		I		
G63C2301	Controlling	Z,ZK	6		
Controlling meth	nods are presented from the initial detection of deviations to advanced models of managerial decision support in strategic horizons in	the context and ac	painst the		
background of the r	nanagement of basic business processes with an emphasis on the processes determining the effect of added value in the company's ac	tivities. The tasks o	of controlling		
	v explained according to the time perspective in the scope of corporate strategies and operational management, including the role of t	the controller in the	individual		
phases of manage	gement from analysis to reporting. The content of the course is also focused on the presentation of methods and management tools t				
	ents (entities) in mutual interaction, especially in the area of cost management. Examples of models and case studies and tasks are use	hat can be used to	manage		
individual compone	ents (entities) in mutual interaction, especially in the area of cost management. Examples of models and case studies and tasks are use of controlling in the company.	hat can be used to ed to present the ke	o manage ey principles		
individual compone	ents (entities) in mutual interaction, especially in the area of cost management. Examples of models and case studies and tasks are use	hat can be used to ed to present the ke ZK	o manage ey principles 3		
individual compone G63C2302 G63C3201	ents (entities) in mutual interaction, especially in the area of cost management. Examples of models and case studies and tasks are use of controlling in the company. Financial Law	hat can be used to ed to present the ke ZK ZK	o manage ey principles 3 3		
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and inflation. The leading textbook is Mishkin (2022) listed with other optional readings below. There will be lectures and exercise sessions, where different problem sets based on lecture materials are solved together in class.

G63E4301

Advanced Topics in Financial Management

Z 3

During the course will be studied the strategies for recognizing the financial performance of firms. The market information drawn from the transactions performed at the financial markets will be combined with the internal corporative sources. Several approaches and indicators will be applied to assess the evolution of companies. The course aims at overhaul the path research of the portfolio theory and recognize the main financial models intended to manage the assets. The exercises and theoretical perspective deal with a diversity of strategies developed for assigning a portfolio of investment, combining assets of different degree of risk, underpining the position with the diversification principle. The overview starts with the pioneering Markowitz contribution; the course analyzes also the Merton Miller model of irrelevance of the equity-debt composition for the corporative structure of capital. The analysis includes also the Sharpe CAPM model. But previously, the student must be aware of all statistical concepts dealing with uncertainty, probability distributions, confidence intervals and probability of default. With the conducing background the course enters in the definition of VaR applications, in order to quantify the amounts of loses based on the probability distribution,

	based on the Gaussian statistical theory. The estimation of measures of risk conveyed by each individual asset is run by econometri		alot ibution,
G65C0103		Z,ZK	3
G65C0201	Territorial Management Planning	ZK	3
G65C0202	Environmental Aspects of Regional Development	ZK	3
G65E1301	Smart Cities and Regions	Z,ZK	6
Smart	Cities and Smart Regions study introduces students to the interdisciplinary issue Smart Cities, preparing concept SC and its planning	ng and indicators.	
G65E2301	Regional Development and Planning	Z,ZK	6
	rstand the reason, mission and specifics of regional and municipal development in the context of European Union as well as Czech F		•
	nt. Students should know the core European concepts of regional and municipal development. A particular attention will be paid to the		
culture and plannin	ig system, which is rooted in the mutual interactions between spatial, urban, strategic and environmental planning. Students should p		ent from the
00554404	perspectives of different stakeholders and professions, and understand the need of cooperation, participation and democracy in p		
G65E4101	European Union and Regional Policy	ZK	3
	isses developments in the EU and in the EU Regional Policy from the end of the Cold War until today. It focuses on relevant issues of	e .	
based on lectures,	class discussions and presentations of various positions present in the debates (group projects / own positions). The objectives of the development of the EU, analyse key points in particular areas of integration and practise argumentation skills.	course are to expla	in a modern
G66C0101		ZK	3
	Reflections of Technical Innovations in Culture nded for students of the Master's study program Project Management of Innovations. The teaching is aimed at gaining a wide range	1	-
	processes, for the understanding and internalization of which a deep understanding of the connections between science and culture	•	
G77C0001	Technology Assessment	ZK	3
G77C0003	Transportation Engineering Projects	ZK	3
G77C0004	Smart Cities Technologies	ZK	3
	ology for Smart Cities introduces students to the interdisciplinary problematics of smart cities and places it in the context of the technologies		-
	development of society.	iorogical, coolar all	
G77C0007	Communication Systems and Networks	ZK	3
Telecommunication	ons: What does it all mean? We look into history and the future. We'll try it wired and wireless, even at the speed of light (or almost)	, on land, underwa	ter, and in
	ple: • How is electric current created? Painter Morse. Alexander, ring the bell! Telecommunications from the plane. • Do you know a T		
	lephone network becomes the Internet • Light and dark. Transmission of information by light. • Why are networks "mobile"? 1G, 2G		
	here and how elsewhere? • Satellite systems (J. Kepler + A. C. Clarke = E. Musk). What do Saturn and Earth have in common? Doe	•	
	d akovice. • How television (including Internet) works. A football match and a drastic Clash of the Titans. • WiFi not working? What r	-	
for people but for tr	ings. • The biggest mistakes in the history of telco business. The subject scrupulously avoids formulas and mathematical relationship	es (nowever, it does	not always
07700000	succeed) - the keywords are principles and clarity.	771/	~
G77C0008	Robotics	Z,ZK	6
G77C0009	Information Security Management and Implementation	ZK	3
G77C2011	Industry 4.0	Z,ZK	3
	subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals		
	t trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" on it least but not least it deals with the role of the state in the granting of economic and industrial policy, the need for which is generated		oclety as a
whole.	Last but not least, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated	by industry 4.0".	

For updated information see <u>http://bilakniha.cvut.cz/en/FF.html</u> Generated: day 2024-05-14, time 04:57.