Study plan

Name of study plan: N-PRI-CP prezen ní navazující studium od 21/22 Financial 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: FINM CP 2S 21/22 POV Name of the group: Povinné p edm ty, prezen ní forma, 2.semestr, 21/22, Financial 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	Z,ZK	6	2P+2C	L	Z
G63C2302	Financial Law	ZK	3	2P+0C		Z
G63C2201	Microeconomic Theory Petr Makovský	ZK	3	2P+0C	*	Z
G00C3101	Diploma Thesis Project	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=FINM CP 2S 21/22 POV Name=Povinné p edm ty, prezen ní forma, 2.semestr, 21/22, Financial Management

2.3011030, 21/22, 1							
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	n the context and	against the				
background of the mana	gement of basic business processes with an emphasis on the processes determining the effect of added value in the company'	's activities. The ta	sks of controlling				
are systematically expla	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	I to manage				
individual components (entities) in mutual interaction, especially in the area of cost management. Examples of models and case studies and tasks are	e used to present t	he key principles				
of controlling in the com	pany.						
G63C2302	Financial Law	ZK	3				
G63C2201	Microeconomic Theory	ZK	3				
The course introduces t	he analysis of the theory of consumer, the theory of firm, and the market interactions of consumers and firms.						
G00C3101	Diploma Thesis Project	Z	0				
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: FINM CP 4S 21/22 POV Name of the group: Povinné p edm ty, prezen ní forma, 2.semestr, 21/22, Financial 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	Z	12			Z
G63C4401	Information System Design	Z,ZK	6	2P+2C		Z

Characteristics of the courses of this group of Study Plan: Code=FINM CP 4S 21/22 POV Name=Povinné p edm ty, prezen ní forma, 2.semestr, 21/22, Financial 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, management information systems, web audit, business process modeling using BPMN, UML and others, information system modeling - UML and data modeling						
using ER diagrams						

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

Name of the group: Povinné p edm ty, prezen ní forma, 3.semestr, 21/22, Financial 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	Petr Makovský Petr Makovský Petr Makovský (Gar.)	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=FINM CP 3S 21/22 POV Name=Povinné p edm ty, prezen ní forma, 3.semestr, 21/22, Financial Management

G63C3201		ZK	3			
G16C3103		Z,ZK	6			
G16C3102	Innovation Management and Innovation Project	Z,ZK	6			
Concepts of innovation,	prerequisites and barriers to innovation, sources of innovation, strategic considerations of innovation, process innovation, proc	luct innovation, se	rvice innovation,			
a macroeconomic view	of the role of innovation, organizational support and management of innovation, soft methods and techniques of innovation, s	systematic-analyti	cal methods and			
techniques of innovation, economic aspects of innovation, intellectual property of innovation and legal aspects.						
G16C3101		Z,ZK	6			

Code of the group: FINM CP 1S 21/22 POV

Name of the group: PRI CP navazující studium specializace Financial 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=FINM CP 1S 21/22 POV Name=PRI CP navazující studium specializace Financial Management 1. semestr povinné p edm ty

G16E1401	Marketing Innovations			Z	Z,ZK	6
The primary role of in	nnovation in marketing is to gain new customers, improve goodwill, increase sales and prof	tability of the compa	any. At the b	eginning of	the innovation	process,
•	should help identify new market opportunities and risks and improve the research of custo	•		•		•
	nt involvement of customers and users in this process. And at the end of the innovation pro		•			
	logy, and service to the target audience. Innovation marketing should therefore be present is	0	•			
subject.	in line with advances in products and technologies, which often lead to the application of n	ew marketing appro	aches. we a	duress thes	se main aspect	s in this
G16C1401	Innovation Marketing			2	Z,ZK	6
G16C1201	Project Management				z,zk	6
G63C1301	Corporate Financial Management			Z	Z,ZK	6
The course provides a	a comprehensive view of building the essential aspects of financial management of busines	s processes and pro	ojects. Stude	nts have the	e opportunity to	understar
	pols and methods of financial management of processes and projects and their use in deci				•	•
•	e of the company, evaluation and valuation of tangible and financial investment projects, we of financial planning and forecasting, and valuation techniques.	rking capital manag	gement, meth	nods of final	ncing the comp	bany, projec
G63C1102	Statistical Analysis				Z,ZK	6
	the introductory courses of statistics and prefaces slightly advanced statistical analysis me	thods.			_,	Ū
Minimal num	block: Povinné p edm ty zam ení ber of credits of the block: 18 ne block: PZ					
Minimal num The role of th Code of the g Name of the Requirement Requirement	ber of credits of the block: 18 ne block: PZ group: FINM CP 21/22 SP group: Specializa ní p edm ty, prezen ní forma, Fina t credits in the group: In this group you have to gain 1 t courses in the group: In this group you have to comp	8 credits	•	t		
Minimal num The role of th Code of the g Name of the Requirement Requirement Credits in the	ber of credits of the block: 18 ne block: PZ group: FINM CP 21/22 SP group: Specializa ní p edm ty, prezen ní forma, Fina t credits in the group: In this group you have to gain 1 t courses in the group: In this group you have to comp e group: 18	8 credits	•	t		
Minimal num The role of th Code of the g Name of the Requirement Requirement	ber of credits of the block: 18 ne block: PZ group: FINM CP 21/22 SP group: Specializa ní p edm ty, prezen ní forma, Fina t credits in the group: In this group you have to gain 1 t courses in the group: In this group you have to comp e group: 18 group:	8 credits	•	t		
Minimal num The role of th Code of the g Name of the Requirement Requirement Credits in the	ber of credits of the block: 18 ne block: PZ group: FINM CP 21/22 SP group: Specializa ní p edm ty, prezen ní forma, Fina t credits in the group: In this group you have to gain 1 t courses in the group: In this group you have to comp group: 18 group: Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members)	8 credits	ses		Semester	Role
Minimal num The role of the Code of the g Name of the Requirement Requirement Credits in the Note on the g	ber of credits of the block: 18 he block: PZ group: FINM CP 21/22 SP group: Specializa ní p edm ty, prezen ní forma, Fina t credits in the group: In this group you have to gain 1 t courses in the group: In this group you have to comp e group: 18 group: 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.)	8 credits dete 4 cours	ses		Semester	Role
Minimal num The role of the Code of the C Name of the Requirement Requirement Credits in the Note on the C Code	ber of credits of the block: 18 he block: PZ group: FINM CP 21/22 SP group: Specializa ní p edm ty, prezen ní forma, Fina t credits in the group: In this group you have to gain 1 t courses in the group: In this group you have to comp e group: 18 group: 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.) Advanced Topics in Financial Management	8 credits blete 4 cours Completion	Ses Credits	Scope 0P+2C		
Minimal numl The role of the Code of the g Name of the Requirement Requirement Credits in the Note on the g	ber of credits of the block: 18 he block: PZ group: FINM CP 21/22 SP group: Specializa ní p edm ty, prezen ní forma, Fina t credits in the group: In this group you have to gain 1 t courses in the group: In this group you have to comp e group: 18 group: 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.) Advanced Topics in Financial Management Corporate Financial Management	8 credits lete 4 cours	Ses Credits	Scope		PZ
Minimal num The role of the Code of the g Name of the Requirement Requirement Credits in the Note on the g Code G63E4301 G63E1301 G63E3301	ber of credits of the block: 18 he block: PZ group: FINM CP 21/22 SP group: Specializa ní p edm ty, prezen ní forma, Fina t credits in the group: In this group you have to gain 1 t courses in the group: In this group you have to comp e group: 18 group: 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.) Advanced Topics in Financial Management Corporate Financial Management Economic and Financial Modelling	8 credits blete 4 cours Completion Z Z,ZK KZ	Ses Credits	Scope 0P+2C 2P+2C 0P+2C	L	PZ PZ PZ
Minimal numl The role of the Code of the g Name of the Requirement Requirement Credits in the Note on the g Code G63E4301 G63E1301	ber of credits of the block: 18 he block: PZ group: FINM CP 21/22 SP group: Specializa ní p edm ty, prezen ní forma, Fina t credits in the group: In this group you have to gain 1 t courses in the group: In this group you have to comp e group: 18 group: 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.) Advanced Topics in Financial Management Corporate Financial Management	8 credits blete 4 cours Completion Z Z,ZK	Ses Credits	Scope 0P+2C 2P+2C		PZ PZ

Characteristics of the courses of this group of Study Plan: Code=FINM CP 21/22 SP Name=Specializa ní p edm ty, prezen ní forma, Financial Management

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 f	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 princi	ole. 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 capit	tal. The analysis					
includes also the Sharpe CAPM model. But previously, the student must be aware of all statistical concepts dealing with uncertainty, probability dist	ibutions, confiden	ice 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 probal	bility distribution,					
based on the Gaussian statistical theory. The estimation of measures of risk conveyed by each individual asset is run by econometric methods.							
G63E1301 Corporate Financial Management	Z,ZK	6					
Analysis of financial techniques of corporations and firms when facing the financial markets. The portfolio analysis and the implications for the Corporations	brative Manageme	ent Modelling the					
parameters and alternatives for valuating the company. Applied tools for understanding the credit operations on the market. Elaboration of amortizati	on tables. The cou	urse is organized					
2 lectures (mean 90 minutes) weekly, 2 seminars (90 minutes) weekly. 6 credits. Z zápo et, ZK zkouška (preliminary test and exam). This is compos	ed by a theoretica	al instruction and					
a practical development. Heavily supported by Excel functions and formulas.							
a practical development. Heavily supported by Excel functions and formulas. G63E3301 Economic and Financial Modelling	KZ	3					
		3					
G63E3301 Economic and Financial Modelling		3					
G63E3301 Economic and Financial Modelling The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Por	tfolio allocation Z,ZK	6					
G63E3301 Economic and Financial Modelling The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Por G63E2301 Financial Markets and Risk Management	tfolio allocation Z,ZK y based on divers	6 ification. The					
G63E3301 Economic and Financial Modelling The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Por G63E2301 Financial Markets and Risk Management The analysis of the management of financial risk recently tends towards strategies for hedging the portfolio, and for designing an investment strategies	tfolio allocation Z,ZK y based on divers n of the Modern Th	6 ification. The neory of Portfolio.					
G63E3301 Economic and Financial Modelling The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Por G63E2301 Financial Markets and Risk Management The analysis of the management of financial risk recently tends towards strategies for hedging the portfolio, and for designing an investment strategic course spans broad sections implementing the principles of variable income and fixed income. The Financial Models evolved rapidly from the inception	tfolio allocation Z,ZK y based on divers n of the Modern Th ng options and the	6 ification. The neory of Portfolio. Bob Merton's					
G63E3301 Economic and Financial Modelling The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Por G63E2301 Financial Markets and Risk Management The analysis of the management of financial risk recently tends towards strategies for hedging the portfolio, and for designing an investment strategic course spans broad sections implementing the principles of variable income and fixed income. The Financial Models evolved rapidly from the inception The original Mean - Variance analysis, the CAPM, The Black-Litterman model, the disruptive framework implicit in the Black Scholes model for pricition	folio allocation Z,ZK y based on divers n of the Modern Th ng options and the in Excel are requir	6 ification. The neory of Portfolio. ∋ Bob Merton's red. The analysis					
G63E3301 Economic and Financial Modelling The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Por G63E2301 Financial Markets and Risk Management The analysis of the management of financial risk recently tends towards strategies for hedging the portfolio, and for designing an investment strateg course spans broad sections implementing the principles of variable income and fixed income. The Financial Models evolved rapidly from the inception The original Mean - Variance analysis, the CAPM, The Black-Litterman model, the disruptive framework implicit in the Black Scholes model for pricit contribution, all of them represent theoretical breakthroughs in the field of finance. When tackling this study, solid statistical basis and advanced skills	folio allocation Z,ZK y based on divers of the Modern Th ng options and the in Excel are requir terms related to t	6 ification. The neory of Portfolio. Bob Merton's red. The analysis the market value					
G63E3301 Economic and Financial Modelling The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Por G63E2301 Financial Markets and Risk Management The analysis of the management of financial risk recently tends towards strategies for hedging the portfolio, and for designing an investment strategic course spans broad sections implementing the principles of variable income and fixed income. The Financial Models evolved rapidly from the inception The original Mean - Variance analysis, the CAPM, The Black-Litterman model, the disruptive framework implicit in the Black Scholes model for pricit contribution, all of them represent theoretical breakthroughs in the field of finance. When tackling this study, solid statistical basis and advanced skills of risk relies on Many of the models based on important benchmarks rooted in Mertons options theoretic approach and explains default in structural	folio allocation Z,ZK y based on divers of the Modern Th og options and the in Excel are requir terms related to t The set of models	6 ification. The neory of Portfolio. Bob Merton's red. The analysis the market value pretends to					
G63E3301 Economic and Financial Modelling The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Por G63E2301 Financial Markets and Risk Management The analysis of the management of financial risk recently tends towards strategies for hedging the portfolio, and for designing an investment strategic course spans broad sections implementing the principles of variable income and fixed income. The Financial Models evolved rapidly from the inception The original Mean - Variance analysis, the CAPM, The Black-Litterman model, the disruptive framework implicit in the Black Scholes model for pricit contribution, all of them represent theoretical breakthroughs in the field of finance. When tackling this study, solid statistical basis and advanced skills of risk relies on Many of the models based on important benchmarks rooted in Mertons options theoretic approach and explains default in structura of the firms assets as compared to its debt obligations. Other model statistically decomposes observed risky debt prices into default risk premiums.	folio allocation Z,ZK y based on divers of the Modern Th og options and the in Excel are requir terms related to t The set of models se models, while c	6 ification. The neory of Portfolio. Bob Merton's red. The analysis the market value pretends to concentrating on					

G63E4201	Monetary Economics and Policy	Z,ZK	6				
This course covers basi	c concepts from monetary economics, emphasizing how monetary policy can affect the domestic economy. It consists of two	major parts. The	first one starts				
with the definition of money, its functions, and monetary aggregates and leads to the inner workings of financial markets, particularly interest rate dynamics. The second one combines							
the practical conduct of	monetary policy by central banks with the theoretical frameworks of what explains inflation in the long run and how monetar	y policy can stabili	ize the economy				
and inflation. The leadin	g textbook is Mishkin (2022) listed with other optional readings below. There will be lectures and exercise sessions, where d	ifferent problem se	ets based on				
lecture materials are so	ved together in class.			I.			

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: FINM CP 21/22 PVP Name of the group: Povinn volitelné p edm ty, prezen ní forma, 21/22, Financial 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 aroup:

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
G16E0201	Agile BootCamp	KZ	3	0P+2C		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, Ivan Horký, Václav Jetel, Ji í Kupka Ji í Kugl Ji í Kugl (Gar.)	ZK	2	2P	Z,L	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
G63E0202	Green Transition	Z,ZK	6	2P+2C		PV
32-IPW	International Project Workshop Petr Makovský	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
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
G16E2201	Modern Approaches in Project Management	Z,ZK	6	2P+2C	L	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
G16E0202	Project Technology Management	Z,ZK	6	2P+2C		PV
G16C1302		Z,ZK	6	2P+2C		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
G65E1301	Smart Cities and Regions	Z,ZK	6	2P+2C		PV
G16E0501	Social Competences in Project and Process Management	Z	3	0P+2C		PV
G16E0401	Strategies of Entering New Markets	Z,ZK	3	1P+1C		PV
G65C0201	Territorial Management Planning	ZK	3	2P+0C		PV

Characteristics of the courses of this group of Study Plan: Code=FINM CP 21/22 PVP Name=Povinn volitelné p edm ty, prezen ní forma, 21/22, Financial Management

G16E0201	Agile BootCamp	KZ	3				
Agile Bootcamp course teaches students the fundamentals of Design Thinking and other agile innovation principles. The course introduces three methods that work well together within							
the same cross-function	nal team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will offer the right tools and techniques for	or the design and	implementation				
of Design Sprints, inclu	of Design Sprints, including a practical test of the entire process. Teaching mode: completely online or hybrid, at a specific time/week during the semester.						
G16C0101	Balanced Scorecard	Z,ZK	6				

G16E2302	Business Process Management	Z,ZK	6			
127CP11	City Planning 11	ZK	2			
Concepts in urban spac	e design in history, form of the city, typology of urban space, philosophies behind, practices of urban space design in Europe	an cultural contex	t, land-use,			
planning controle, prese	planning controle, preservation of cities, urban ecology, trends and policies in urban planning and regional development.					
G63E0201	Economics of Climate Change	Z,ZK	6			
G04E0201	English for Intercultural Communication	Z,ZK	6			
	n 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 corr					
	phaviour and language expression . International English as lingua franca . The most common mistakes as a cause of misun	derstanding . Lan	guage practice			
G65C0202	dies on individual topics Language level: CEFR B2 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					
	analyse key points in particular areas of integration and practise argumentation skills.					
G63E0202	Green Transition	Z,ZK	6			
Green transition is some	times imagined as a technical question involving mostly energy production and industrial processes. Nonetheless, wider societ		political contexts			
are indispensable to suc	cessful transformation. The course introduces different transition approaches focusing on such wider frameworks and stress	ing the interconne	ections between			
-	y, and social changes. Theoretical concepts of transformation will then be linked to current reality in specific regions (with en	nphasis on but no	t limited to the			
EU).						
32-IPW	International Project Workshop	ZK	3			
127XKRS	Landscape and Settlements	Z	2			
	ents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements					
	and optional courses at Bachelor and Master level in Environmental Engineering and Architecture and Civil Engineering wi	th various aspects	s, perspectives			
. , ,	cs that were not covered in the compulsory and optional courses.	7 71/	2			
G16E0102	Managing in an International Environment Implementation: knowledge transfer and possible adaptations. Strategic partnership and consequences on the cooperation.	Z,ZK	3 or foreign			
	nd its constraints. Parent company versus locals. Managing multi-cultural teams. Remote management. Expatriation. Manage		-			
	veloping ones competences.		iipotonooo.			
G04E0202	Meetings and Negotiations in English	Z,ZK	6			
	I Negotiations is part of a series of courses for follow-up students focused on functional language. The course is intended for s		-			
level. The course focuse	s on a collaborative model of the English language intended for a range of business or business meetings and negotiations. A	Ithough the cours	e is not primarily			
focused on confrontation	nal negotiation and communication strategies, part of the explanation is devoted to strategies and language for preventing ar	nd coping with cor	frontational			
	based on the modern, increasingly widespread model of "International English", ie international English understood as lingu	a franca. Listenin	g materials work			
-	speakers of all English styles and focus on collocations and idiomatics of American and British English.					
G16E2201	Modern Approaches in Project Management	Z,ZK	6			
G66C0101	Reflections of Technical Innovations in Culture	ZK	3			
-	for students of the Master's study program Project Management of Innovations. The teaching is aimed at gaining a wide range		om the field of			
·	r the understanding and internalization of which a deep understanding of the connections between science and culture is an		0			
G00C4104	Practice subject of professional practice is based on the decision of the MÚVS VUT during their studies to give students the opport	Z upity to poquiro d	6 uality skills and			
,	orts the establishment of a relationship between students and companies and emphasizes their mutual cooperation Part of t		-			
professional internship						
G16C0301	Lean Management Practice	ZK	3			
	to apply knowledge from the field of lean management and lean manufacturing acquired during the study to solve real problem					
	assignment, student teams solve the problem with the support of teachers who become their mentors.					
G16E0203	Project Innovation Management	Z,ZK	6			
Successful innovation re	quires much more than the management of individual aspects of the innovation process within the institution; it also requires	s a systemic proje	ct approach that			
	s between various stakeholders, their goals, objectives, markets, and organizations. Traditional innovation management usually					
	usually on implementation and control within the institution. Procedures are often repeated. This creates a framework that ca					
			e highly flexible.			
	tet of rules and measures of the institution. However, most innovation projects require an individual approach so that project					
	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a suppo	rtive corporate cu	lture, a focus on			
	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a suppo Is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate n	rtive corporate cu notivation for inno	lture, a focus on vation are often			
implementation and con	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a suppo	rtive corporate cu notivation for inno novation managen	Iture, a focus on vation are often nent, the			
· ·	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a suppo Is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate n or an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects, Inr	rtive corporate cu notivation for inno novation managen nswer the following	lture, a focus on vation are often nent, the g framework			
topics: how to identify an allocate resources for in	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a support is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate nor an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects. In marcialization of innovations, and related intellectual property protection. After completing the course, the student should are and manage the framework of an innovation project, create a project breakdown structure, create a project innovation plan, create of manage project development, identify and manage innovation risks, and understand the sourcing process for the provation.	rtive corporate cu notivation for inno novation managen nswer the following eate a project buc project. How to ad	Iture, a focus on vation are often hent, the g framework Iget, define and equately protect			
topics: how to identify an allocate resources for in intellectual property and	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a support is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate nor an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects, Innovation of innovations, and related intellectual property protection. After completing the course, the student should are dimanage the framework of an innovation project, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure, create a project innovation plan, create a project breakdown structure brea	rtive corporate cu notivation for inno novation managen hswer the following eate a project buc project. How to ad nnovative compar	Iture, a focus on vation are often hent, the g framework Iget, define and equately protect			
topics: how to identify an allocate resources for in intellectual property and G16E0202	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a support is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate nor an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects, Innovation of innovations, and related intellectual property protection. After completing the course, the student should are ad manage the framework of an innovation project, create a project breakdown structure, create a project innovation plan, created intellectual property and manage innovation structure, create a project development, identify and manage innovation risks, and understand the sourcing process for the phow to implement and commercialise innovations. The course includes approaches, experience, and examples of the best i Project Technology Management	rtive corporate cu notivation for inno novation managen haver the following eate a project buc project. How to ad nnovative compar Z,ZK	Iture, a focus on vation are often hent, the g framework lget, define and equately protect hies. 6			
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topics: how to identify an allocate resources for in intellectual property and G16E0202 Technology project man in production, have long	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a support is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate no or an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects. In mercialization of innovations, and related intellectual property protection. After completing the course, the student should are no manage the framework of an innovation project, create a project breakdown structure, create a project innovation plan, create innovation, manage project development, identify and manage innovation risks, and understand the sourcing process for the phow to implement and commercialise innovations. The course includes approaches, experience, and examples of the best i Project Technology Management agement means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technology transfer. Technology transfer.	rtive corporate cu notivation for inno novation managen iswer the following eate a project buc project. How to ad nnovative compar Z,ZK chnological innova essary to examine	Iture, a focus on vation are often hent, the g framework lget, define and equately protect hies. 6 ttions, especially the preparatory,			
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topics: how to identify an allocate resources for in intellectual property and G16E0202 Technology project man- in production, have long implementation, and cor project organizational st	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a support is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate no or an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects. In mercialization of innovations, and related intellectual property protection. After completing the course, the student should are no manage the framework of an innovation project, create a project breakdown structure, create a project innovation plan, create innovation, manage project development, identify and manage innovation risks, and understand the sourcing process for the phow to implement and commercialise innovations. The course includes approaches, experience, and examples of the best i Project Technology Management agement means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technology transfer. Technology transfer.	rtive corporate cu notivation for inno novation managen swer the following eate a project buc project. How to add nnovative compar Z,ZK chnological innova essary to examine -oriented, time-bo mportance, and ko	Iture, a focus on vation are often nent, the g framework lget, define and equately protect nies. 6 titions, especially the preparatory, bund, and has a ey functions of			
topics: how to identify an allocate resources for in intellectual property and G16E0202 Technology project man- in production, have long implementation, and cor project organizational st project technology mana	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a support is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate more an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects. Intervalidation of innovations, and related intellectual property protection. After completing the course, the student should are demanage the framework of an innovation project, create a project breakdown structure, create a project innovation plan, create and manage project development, identify and manage innovation risks, and understand the sourcing process for the phow to implement and commercialise innovations. The course includes approaches, experience, and examples of the best is Project Technology Management agement means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technology management in a more comprehensive form. Technology project management is more goal ructure and budget. After completing the course, students should answer the following framework topics: define the nature, in the student is more goal ructure and budget. After completing the course, students should answer the following framework topics: define the nature, in the following framework topics: define the nature, in the following framework topics: define the nature, in the students when the students and the students and the source of the nature, in the student is more goal activities of technology management in a more comprehensive form. Technology project management is more goal ructure and budget. After completing the course, students should answer the following framework topics: define the nature, in the students when the following framework topics: define the nature, in the students when the following framework topics: define the nature, in the students when the following framework topics: define th	rtive corporate cu notivation for inno novation managen swer the following eate a project buc project. How to add nnovative compar Z,ZK chnological innova essary to examine -oriented, time-bo mportance, and ka ssment. Explain ti	Iture, a focus on vation are often nent, the g framework lget, define and equately protect nies. 6 titions, especially the preparatory, bund, and has a ey functions of ne relationships			
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topics: how to identify an allocate resources for in intellectual property and G16E0202 Technology project man in production, have long implementation, and con project organizational st project technology man of business management technology strategy of th property and the need to	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a support is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate more an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects. Intervalization of innovations, and related intellectual property protection. After completing the course, the student should are demanage the framework of an innovation project, create a project breakdown structure, create a project innovation plan, create a movation, manage project development, identify and manage innovation risks, and understand the sourcing process for the phow to implement and commercialise innovations. The course includes approaches, experience, and examples of the best is Project Technology Management agreement means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technology management in a more comprehensive form. Technology project management is more goal ructure and budget. After completing the course, students should answer the following framework topics: define the nature, in agreement with a focus on the analysis of technological trends, risks, and opportunities, innovation radar, and technology asset to the development of the product, production, and service technologies. Characterize the process of technological forecases is to the development of the product, production, and service technologies. Characterize the process of technological forecases is to the development of the product, production, and service technologies. Characterize the process of technological forecases is to the development of the product, production, and service technologies. Characterize the process of technological forecases is to the development of the product production and service technologies. Characterize the process of technological forecases is to the development of the	rtive corporate cu notivation for inno novation managen aswer the following eate a project buc project. How to add nnovative compar Z,ZK chnological innova essary to examine -oriented, time-bc mportance, and k ssment. Explain th sts, foresight, and tion of technologi	Iture, a focus on vation are often nent, the g framework lget, define and equately protect nies. 6 titions, especially the preparatory, bund, and has a ey functions of ne relationships creation of the			
topics: how to identify an allocate resources for in intellectual property and G16E0202 Technology project man- in production, have long implementation, and cor project organizational st project technology mana of business management technology strategy of th	Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a support is of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate more an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects. Intervalization of innovations, and related intellectual property protection. After completing the course, the student should are demanage the framework of an innovation project, create a project breakdown structure, create a project innovation plan, create a move to implement and commercialize innovations. The course includes approaches, experience, and examples of the best is Project Technology Management agreement means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technology management in a more comprehensive form. Technology project management is more goal ructure and budget. After completing the course, students should answer the following framework topics: define the nature, in agreement with a focus on the analysis of technological trends, risks, and opportunities, innovation radar, and technology asses are company. Explain creating a project plan for implementing new technology. Clarify the importance of the necessary protect	rtive corporate cu notivation for inno novation managen swer the following eate a project buc project. How to add nnovative compar Z,ZK chnological innova essary to examine -oriented, time-bo mportance, and ku ssment. Explain th sts, foresight, and	Iture, a focus on vation are often nent, the g framework lget, define and equately protect nies. 6 titions, especially the preparatory, bund, and has a ey functions of ne relationships creation of the			

G65E2301	Regional Development and Planning	Z,ZK	6		
he goal is to understand	the reason, mission and specifics of regional and municipal development in the context of European Union as well as Czec	h Republic, and o	f planning as a		
tool of development. Stu	idents should know the core European concepts of regional and municipal development. A particular attention will be paid to	the Middle-Europ	ean planning		
culture and planning sy	stem, which is rooted in the mutual interactions between spatial, urban, strategic and environmental planning. Students shou	ld perceive develo	opment from the		
perspectives of different	stakeholders and professions, and understand the need of cooperation, participation and democracy in practice.				
G16C0104	Solving Real World Problems	ZK	3		
The aim of the course is	to apply knowledge from the field of economics and management acquired during the study to solve real problems from eco	onomic practice. A	ccording to the		
client's assignment, stu	dents solve the problem with the support of teachers who become their mentors.				
G16C0201	Service Design	Z,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 and inc	licators.			
G16E0501	Social Competences in Project and Process Management	Z	3		
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.					
G65C0201	Territorial Management Planning	ZK	3		

Code of the group: FINM CP 21/22 PVT

Name of the group: Povinn volitené technické p edm ty, prezen í forma, 21/22, Financial 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 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
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, Ji í Kupka, Pavel Holubec, Jan Hendrych Jan Hendrych Jan Hendrych (Gar.)	ZK	4	3C	Z,L	PV
G16E0103	Management in the Automotive Industry	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
127UKKO	Urban and Landscape Design Ji í Kupka, Zuzana Pešková, Ivan Vorel Ji í Kupka Zuzana Pešková (Gar.)	ZK	3	2P	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=FINM CP 21/22 PVT Name=Povinn volitené technické p edm ty, prezen í forma, 21/22, Financial Management

Telecommunications: Wh space. For example: How	Communication Systems and Networks	ZK	0
space. For example: How		211	3
	nat 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
	v is electric current created? Painter Morse. Alexander, ring the bell! Telecommunications from the plane. Do you know a Twi	sted Pair? How a	landline works
How the telephone netwo	ork becomes the Internet. Light and dark. Transmission of information by light. Why are networks "mobile"? 1G, 2G, 3G, 4G,	5G, etc. The mor	e G, the better.
How here and how elsew	vhere? Satellite systems (J. Kepler + A. C. Clarke = E. Musk). What do Saturn and Earth have in common? Does navigation	know about me?	We will walk
around akovice. How te	elevision (including Internet) works. A football match and a drastic Clash of the Titans. WiFi not working? What now Why the	Internet is not for	people but for
hings. The biggest mista	akes in the history of telco business. The subject scrupulously avoids formulas and mathematical relationships (however, it do	oes not always su	ucceed) - the
keywords are principles a	and clarity.		
127LAHE	Landscape Heritage	ZK	4
Cultural, historical, natura	al, and ecological processes traditionally shape the human environment, our shared cultural landscape heritage. The course w	ill reveal intrinsic v	alues, function
and character, and the a	ppropriate conservation techniques and strategies for urban landscape heritage protection.		
G16E0103	Management in the Automotive Industry	Z,ZK	6
G77C0003	Transportation Engineering Projects	ZK	3
G77C2011	Industry 4.0	Z,ZK	3
. Annotation The subject	t "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It dea	Is with the history	of industrial
revolutions, current trend	s as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" c	on the economy a	nd society 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 "Indus	stry 4.0".	
G51C0401		Z	3

G77C0009	Information Security Management and Implementation	ZK	3			
transformations, and th	e protection of historical, cultural and urban values.					
i.e. both their overall gro	with and the regeneration or transformation of their existing parts. It also deals with the structure and composition of public ar	eas of cities and I	andscapes, their			
operational relationship	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,					
structure and form. Stu	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					
The course deals with t	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					
127USRM	Urban Structures and Urban Development	ZK	5			
commissions) and som	e specific issues (high-rise buildings). The basic set of lectures is complemented by several extension topics by invited extern	al speakers.				
and examples of variou	s urban analyses. It focuses mainly on the development of the urban form of Prague, its selected districts (Dejvice, Karlín), as	pects of their plar	nning (regulatory			
successful practical des	sign. This extends the content of the basic urban planning courses from the Bachelor's degree. Theoretical issues are comple	mented by examp	oles from history			
view of urban and lands	scape design as a creation of the environment. A theoretical basis and a sound analysis of existing towns and landscapes are	e subsequently a	prerequisite for			
perception, landscape	composition, composed landscape, cultural landmarks, the phenomenon of the garden in the historical context, etc.). The aim	of the course is a	a comprehensive			
The course introduces	selected chapters from urban and landscape composition and the theory of urbanism as a basis for urban and landscape de	sign (city image, c	ty environment,			
127UKKO	Urban and Landscape Design	ZK	3			
development of society.						
The subject Technology for Smart Cities introduces students to the interdisciplinary problematics of smart cities and places it in the context of the technological, social and economic						
G77C0004	Smart Cities Technologies	ZK	3			
G16C0601	Technology Forecasting	Z,ZK	3			
G77C0008	Robotics	Z,ZK	6			

List of courses of this pass:

Code	Name of the course	Completion	Credits
127CP11	City Planning 11	ZK	2
Concepts in urba	an space design in history, form of the city, typology of urban space, philosophies behind, practices of urban space design in Europea	an 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	uces selected chapters from urban and landscape composition and the theory of urbanism as a basis for urban and landscape design	n (city image, city e	nvironment,
perception, landsc	ape composition, composed landscape, cultural landmarks, the phenomenon of the garden in the historical context, etc.). The aim of t	the course is a com	nprehensive
view of urban and	I landscape design as a creation of the environment. A theoretical basis and a sound analysis of existing towns and landscapes are su	ubsequently a prer	equisite for
successful practica	al design. This extends the content of the basic urban planning courses from the Bachelor's degree. Theoretical issues are complement	nted by examples f	irom history
	arious urban analyses. It focuses mainly on the development of the urban form of Prague, its selected districts (Dejvice, Karlín), aspec		
	sions) and some specific issues (high-rise buildings). The basic set of lectures is complemented by several extension topics by invited	d external speakers	3.
127USRM	Urban Structures and Urban Development	ZK	5
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
	I. Students will learn to identify the characteristic features of cities and villages, their urban uniqueness, arrangement of spatial structu		
•	nships. Analyze their external and internal image. To identify their landscape, urban and architectural values. Attention is also paid to the		
i e both their overs	all growth and the regeneration or transformation of their existing parts. It also deals with the structure and composition of public areas	of cities and lands	capes, their
	transformations, and the protection of historical, cultural and urban values.		
127XKRS	Landscape and Settlements	Z	2
127XKRS		1 1	
127XKRS The optional cours	Landscape and Settlements	rban and rural). It co	omplements
127XKRS The optional cours the series of comp	e presents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements (ur	ban and rural). It co various aspects, pe	omplements
127XKRS The optional cours	Landscape and Settlements e presents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements (ur pulsory and optional courses at Bachelor and Master level in Environmental Engineering and Architecture and Civil Engineering with	rban and rural). It co	omplements
127XKRS The optional cours the series of comp	Landscape and Settlements e presents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements (ur pulsory and optional courses at Bachelor and Master level in Environmental Engineering and Architecture and Civil Engineering with and complementary topics that were not covered in the compulsory and optional courses.	ban and rural). It co various aspects, pe	omplements erspectives
127XKRS The optional cours the series of comp 32-IPW	Landscape and Settlements e presents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements (ur pulsory and optional courses at Bachelor and Master level in Environmental Engineering and Architecture and Civil Engineering with and complementary topics that were not covered in the compulsory and optional courses. International Project Workshop	ban and rural). It co various aspects, pe ZK Z Z	omplements erspectives 3
127XKRS The optional cours the series of comp 32-IPW G00C3101	Landscape and Settlements e presents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements (ur pulsory and optional courses at Bachelor and Master level in Environmental Engineering and Architecture and Civil Engineering with and complementary topics that were not covered in the compulsory and optional courses. International Project Workshop Diploma Thesis Project	ban and rural). It co various aspects, pe ZK Z	omplements erspectives 3 0
127XKRS The optional cours the series of comp 32-IPW G00C3101 G00C4102 G00C4104	Landscape and Settlements e presents selected chapters on landscape architecture and urbanism, focusing on two thematic blocks - garden art and settlements (ur pulsory and optional courses at Bachelor and Master level in Environmental Engineering and Architecture and Civil Engineering with and complementary topics that were not covered in the compulsory and optional courses. International Project Workshop Diploma Thesis Diploma Thesis	ban and rural). It co various aspects, pe ZK Z Z Z Z	amplements erspectives 3 0 12 6
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04000404	O shiin w D s shi Marild Drahlaras	71/	0
G16C0104 The aim of the cou	Solving Real World Problems Irse is to apply knowledge from the field of economics and management acquired during the study to solve real problems from econo	ZK mic practice Acco	3 A Strate and the
	client's assignment, students solve the problem with the support of teachers who become their mentors.		
G16C0201	Service Design	Z,ZK	3
G16C0301	Lean Management Practice	ZK	3
	ourse 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	ms from economi	1
G16C0601	Technology Forecasting	Z,ZK	3
G16C1201	Project Management	Z,ZK	6
G16C1302		Z,ZK	6
G16C1401	Innovation Marketing	Z,ZK	6
G16C2501	HR Management Systems	Z,ZK	6
	sed on the development of managerial skills in managing people in the organization. Through lectures and seminars, students will lea tices for efficient people management in the organization and the main tasks of managers in various activities of people managemen	rn effective strate	
G16C3101		Z,ZK	6
G16C3102	Innovation Management and Innovation Project	Z,ZK	6
	tion, prerequisites and barriers to innovation, sources of innovation, strategic considerations of innovation, process innovation, product 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.		-
	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
	urse teaches students the fundamentals of Design Thinking and other agile innovation principles. The course introduces three method		1
the same cross-fu	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	lementatio
of De	esign 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.	-	-
•	long tied up company resources, and poor decisions can pose significant financial problems for most companies. Therefore, it is necessary		
-	nd commercial activities of technology management in a more comprehensive form. Technology project management is more goal-or		
	onal structure and budget. After completing the course, students should answer the following framework topics: define the nature, imp	-	
	management with a focus on the analysis of technological trends, risks, and opportunities, innovation radar, and technology assessm		
	gement to the development of the product, production, and service technologies. Characterize the process of technological forecasts, gy of the company. Explain creating a project plan for implementing new technology. Clarify the importance of the necessary protection		
lechnology strate	property and the need to commercialize their own technologies at the level of industry, region, or state.	In or technological	Intellectual
G16E0203	Project Innovation Management	Z,ZK	6
	ion requires much more than the management of individual aspects of the innovation process within the institution; it also requires a		-
	actions between various stakeholders, their goals, objectives, markets, and organizations. Traditional innovation management usually for		
for innovation plar	ning, usually on implementation and control within the institution. Procedures are often repeated. This creates a framework that can l	imit project team i	members to
working only withir	the set of rules and measures of the institution. However, most innovation projects require an individual approach so that project team	m members are hi	ighly flexible
nnovative, and cre	ative. Each innovation project is individual and requires an individual approach. A clear strategy in the area of innovation, a supportive	e corporate culture	e, a focus o
-	al goals of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate moti		
-	quisites for an innovation project. The main goal of this course is to acquaint students with the key specifics of innovation projects, In	-	
-	and commercialization of innovations, and related intellectual property protection. After completing the course, the student should ans tify and manage the framework of an innovation project, create a project breakdown structure, create a project innovation plan, creat	-	
-	for innovation, manage project development, identify and manage innovation risks, and understand the sourcing process for the project		
	roperty 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
	ernationalize; the various entry modes; impact of international activity on the business plan; the export plan; the marketing plan; the ir		1
	partners; follow up and the results.	. ,	
G16E0501	Social Competences in Project and Process Management	Z	3
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 beginni		-
innovative marketi	ng should help identify new market opportunities and risks and improve the research of customer needs. During developing a new pr	oduct, innovation	marketing i
to ensure the cor	stant involvement of customers and users in this process. And at the end of the innovation process, innovation marketing ensures the	e successful introc	duction of a
	hnology, and service to the target audience. Innovation marketing should therefore be present at all stages of the innovation process		
market orientatio	on is in line with advances in products and technologies, which often lead to the application of new marketing approaches. We addres subject.	s these main aspe	ects in this
G16E2201	Modern Approaches in Project Management	Z,ZK	6
G16E2302	Business Process Management	Z,ZK	6
G51C0401		Z	3
G63C1102	Statistical Analysis	Z,ZK	6
	The course builds on the introductory courses of statistics and prefaces slightly advanced statistical analysis methods.		· ·
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	-	-
mancial performal	nce of the company, evaluation and valuation of tangible and financial investment projects, working capital management, methods of financial planning and forecasting, and valuation techniques.	mancing the com	pany, proje
	ההמויטווש, והפוויטש טו ההמויטמו אמווזוווש מויט וטופטמטוווש, מויט למוטמנוטה ופטוווועשט.		

G63C2201	Microeconomic Theory	ZK	3
00000004	The course introduces the analysis of the theory of consumer, the theory of firm, and the market interactions of consumers and		
G63C2301	Controlling	Z,ZK	6
-	ods are presented from the initial detection of deviations to advanced models of managerial decision support in strategic horizons in nanagement of basic business processes with an emphasis on the processes determining the effect of added value in the company's ac		
-	explained according to the time perspective in the scope of corporate strategies and operational management, including the role of t		-
	gement from analysis to reporting. The content of the course is also focused on the presentation of methods and management tools t		
individual compone	nts (entities) in mutual interaction, especially in the area of cost management. Examples of models and case studies and tasks are use	ed to present the ke	ey principles
G63C2302	of controlling in the company. Financial Law	ZK	3
G63C3201		ZK	3
	Information System Design	Z,ZK	6
G63C4401	Information System Design , information systems architecture, basic types of software applications for information system of enterprise, information system lifecy	·	-
	nt, management information systems, web audit, business process modeling using BPMN, UML and others, information system mode		
	using ER diagrams		
G63E0201	Economics of Climate Change	Z,ZK	6
G63E0202	Green Transition	Z,ZK	6
	sometimes imagined as a technical question involving mostly energy production and industrial processes. Nonetheless, wider societal, e		
	o successful transformation. The course introduces different transition approaches focusing on such wider frameworks and stressing		
politics, markets, ii	ndustry, and social changes. Theoretical concepts of transformation will then be linked to current reality in specific regions (with empl EU).	hasis on but not lim	nited to the
G63E1301	Corporate Financial Management	Z,ZK	6
	I techniques of corporations and firms when facing the financial markets. The portfolio analysis and the implications for the Corporati	·	odelling the
parameters and alte	ernatives for valuating the company. Applied tools for understanding the credit operations on the market. Elaboration of amortization ta	ables. The course i	s organized
2 lectures (mean 90	0 minutes) weekly, 2 seminars (90 minutes) weekly. 6 credits. Z zápo et, ZK zkouška (preliminary test and exam). This is composed b a practical development. Heavily supported by Excel functions and formulas.	by a theoretical inst	truction and
G63E2301	Financial Markets and Risk Management	Z.ZK	6
	he management of financial risk recently tends towards strategies for hedging the portfolio, and for designing an investment strategy l	,	-
course spans broad	sections implementing the principles of variable income and fixed income. The Financial Models evolved rapidly from the inception of t	he Modern Theory	of Portfolio.
-	- Variance analysis, the CAPM, The Black-Litterman model, the disruptive framework implicit in the Black Scholes model for pricing of	-	
	nem represent theoretical breakthroughs in the field of finance. When tackling this study, solid statistical basis and advanced skills in E	-	
	ny of the models based on important benchmarks rooted in Mertons options theoretic approach and explains default in structural terr		
	ts as compared to its debt obligations. Other model statistically decomposes observed risky debt prices into default risk premiums. The risk of a loan or a portfolio of loans. In this vein, the curse pursuits to simplify the technical details and analytics surrounding these means are presented as the second s		
	onomics and economic intuition. They learn to use market instruments and market analyses to design efficient investment and hedgi		-
, , , , , , , , , , , , , , , , , , , ,	the company capital management hurled to financial markets.	3	
G63E3301	Economic and Financial Modelling	KZ	3
	Economic and Financial Modelling se is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, an		
The cours G63E4201	se is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, an Monetary Economics and Policy	d Portfolio allocatio Z,ZK	on 6
The cours G63E4201 This course covers	se is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, an Monetary Economics and Policy s basic concepts from monetary economics, emphasizing how monetary policy can affect the domestic economy. It consists of two m	d Portfolio allocatio Z,ZK ajor parts. The first	on 6 : one starts
The cours G63E4201 This course covers with the definition o	se is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, an Monetary Economics and Policy s basic concepts from monetary economics, emphasizing how monetary policy can affect the domestic economy. It consists of two m f money, its functions, and monetary aggregates and leads to the inner workings of financial markets, particularly interest rate dynam	d Portfolio allocatio Z,ZK ajor parts. The first ics. The second on	on 6 : one starts e combines
The cours G63E4201 This course covers with the definition o the practical conduc	se is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, an Monetary Economics and Policy s basic concepts from monetary economics, emphasizing how monetary policy can affect the domestic economy. It consists of two m f money, its functions, and monetary aggregates and leads to the inner workings of financial markets, particularly interest rate dynam ct of monetary policy by central banks with the theoretical frameworks of what explains inflation in the long run and how monetary po	d Portfolio allocatio Z,ZK ajor parts. The first ics. The second on licy can stabilize th	on 6 cone starts e combines ne economy
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G77C0003	Transportation Engineering Projects	ZK	3			
G77C0004	Smart Cities Technologies	ZK	3			
The subject Technology for Smart Cities introduces students to the interdisciplinary problematics of smart cities and places it in the context of the technological, social and economic						
	development of society.					
G77C0007	Communication Systems and Networks	ZK	3			
Telecommunicatio	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	ater, 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 Twiste	d Pair? How a land	dline works.			
How the telephone	e network becomes the Internet. Light and dark. Transmission of information by light. Why are networks "mobile"? 1G, 2G, 3G, 4G, 5C	G, etc. The more G	, the better.			
How here and ho	w elsewhere? Satellite systems (J. Kepler + A. C. Clarke = E. Musk). What do Saturn and Earth have in common? Does navigation k	now about me? We	e will walk			
around akovice.	How television (including Internet) works. A football match and a drastic Clash of the Titans. WiFi not working? What now Why the Int	ernet is not for pe	ople but for			
things. The bigges	t mistakes in the history of telco business. The subject scrupulously avoids formulas and mathematical relationships (however, it doe	s not always succe	eed) - the			
	keywords are principles and clarity.					
G77C0008	Robotics	Z,ZK	6			
G77C0009	Information Security Management and Implementation	ZK	3			
G77C2011	Industry 4.0	Z,ZK	3			
I. Annotation The	I. Annotation The subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals with the history of industrial					
revolutions, current trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" on the economy and society as a						
whole.	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 2025-04-08, time 06:40.