Study plan

Name of study plan: prezenční - Project and Process Innovation Management, N0413A050002 Projektové řízení inovací

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: 51
Elective courses credits: 69
Sum of credits in the plan: 120
Note on the plan:

Name of the block: Compulsory courses
Minimal number of credits of the block: 0
The role of the block: Z

Code of the group: N0413-P-BASE
Name of the group: Povinné předměty,prezenční studium,N0413
Requirement credits in the group:
Requirement courses in the group:
Credits in the group: 0
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
32MC-P-CORI-01	**Controlling** *Arnošt Klesla **Arnošt Klesla** Arnošt Klesla (Gar.)*	Z,ZK	4	2P+1C		z
32MC-P-DIPR-01	**Diploma Thesis** *Arnošt Klesla, Lenka Nováková, Lucie Plzáková, Otakar Schlossberger, Radim Bureš, Miroslav Sponer, Kateřina Tomešková, Jiří Zmatlík, Petra Jílková, ... **Martin Petříček** Martin Petříček (Gar.)*	Z	12			z
32MC-P-EKON-01	**Economics** *Martin Petříček, Petr Makovský, František Hřebík **Martin Petříček** Martin Petříček (Gar.)*	Z,ZK	6	4P+1C		z
32MC-P-FIPR-01	**Financial Law** *Otakar Schlossberger **Otakar Schlossberger***	ZK	3	2P+0C		z
32MC-P-FRPI-01	**Financial Management of Corporate Innovation** *Martin Petříček, Vojtěch Menzl **Vojtěch Menzl** Martin Petříček (Gar.)*	Z,ZK	3	2P+1C		z
32ME-P-PIMN-01	**Innovation Project Management** *Štěpán Chalupa **Štěpán Chalupa** Štěpán Chalupa (Gar.)*	Z,ZK	6	2P+2C		z
32MC-P-MKIN-01	**Marketing of Innovations** *Tomáš Sadílek **Tomáš Sadílek** Tomáš Sadílek (Gar.)*	Z,ZK	4	1P+2C		z
32ME-P-MKIN-01	**Marketing of Innovations** *Štěpán Chalupa **Štěpán Chalupa** Štěpán Chalupa (Gar.)*	Z,ZK	4	1P+2C		z
32ME-P-PSUS-01	**Principles of Sustainability** *Michael Pondělíček **Michael Pondělíček** Michael Pondělíček (Gar.)*	ZK	3	2P+0C		z
32MC-P-PJDP-01	**Diploma Thesis Project** *Petr Studnička **Petr Studnička** Petr Studnička (Gar.)*	Z	0	1P+0C		z
32MC-P-PRIS-01	**Information System Design** *Jiří Kaiser **Jiří Kaiser** Jiří Kaiser (Gar.)*	Z,ZK	6	2P+2C		z
32MC-P-PRIN-01	**Innovation Project Management** *Marek Jemala **Marek Jemala** Marek Jemala (Gar.)*	Z,ZK	6	2P+2C		z
32MC-P-ROAN-02	**Decision Analysis** *Jiří Zmatlík **Jiří Zmatlík** Jiří Zmatlík (Gar.)*	Z,ZK	4	2P+1C		z
32MC-P-RINV-01	**Innovation Management** *Petra Jílková, Petr Fanta **Petra Jílková** Petra Jílková (Gar.)*	Z,ZK	4	2P+1C		z
32MC-P-STAN-01	**Statistical Analysis** *Tomáš Löster **Tomáš Löster** Tomáš Löster (Gar.)*	Z,ZK	5	2P+1C		z

32MC-P-STRR-01	**Strategic Management** *Tomáš Sadílek, Štěpán Chalupa, Vladimíra Šilhánková* ***Vladimíra Šilhánková*** *Tomáš Sadílek (Gar.)*	Z,ZK	6	2P+2C		z
32MC-P-SRLZ-01	**HR Management Systems** *Zuzana Dvořáková, Lenka Emrová* ***Zuzana Dvořáková*** *Zuzana Dvořáková (Gar.)*	Z,ZK	3	2P+1C		z
32MC-P-ZUDR-01	**Principles of Sustainability** *Michael Pondělíček* ***Michael Pondělíček*** *Michael Pondělíček (Gar.)*	ZK	3	2P+0C		z

Characteristics of the courses of this group of Study Plan: Code=N0413-P-BASE Name=Povinné předměty,prezenční studium,N0413

32MC-P-CORI-01	Controlling	Z,ZK	4
Controlling is a method of effective management oriented towards the future, with a preference for an ex-ante approach. Controlling management is focused on results according to the requirements for managing a company by value. VBM, active controlling is a prerequisite for a strategic approach to planning and maintaining the financial health of the company, while meeting the requirements of investors for a return on invested capital. Operational controlling is a prerequisite for liquidity and ensuring the solvency of the company			
32MC-P-DIPR-01	Diploma Thesis	Z	12
32MC-P-EKON-01	Economics	Z,ZK	6
32MC-P-FIPR-01	Financial Law	ZK	3
Following introductory lectures on financial law, its sources, the financial system, and commercial corporations, a substantial part of the Financial Law course deals with capital markets, collective investment, business financing options, and other topics, the basic knowledge of which can be considered one of the fundamental pillars of the legal awareness of MÚVS students in financial law.			
32MC-P-FRPI-01	Financial Management of Corporate Innovation	Z,ZK	3
32ME-P-PIMN-01	Innovation Project Management	Z,ZK	6
32MC-P-MKIN-01	Marketing of Innovations	Z,ZK	4
32ME-P-MKIN-01	Marketing of Innovations	Z,ZK	4
The course explores how innovations are marketed, adopted, and diffused. It provides students with a deep understanding of marketing fundamentals while emphasizing the specific challenges and opportunities in marketing innovative products, services, and business models. Students will develop the ability to analyze markets for innovation, craft marketing strategies, and apply theory to real-world innovation challenges.			
32ME-P-PSUS-01	Principles of Sustainability	ZK	3
Part of the course is an explanation of the history of the concept and the procedure to sustainability, the most up-to-date directions and thought processes in current global, European and Czech politics. The course, among other things, focuses on the practical knowledge of students, so managers from practice will be invited to the lessons. Part of the course will be a visit/excursion. The procedural focus of the course allows to apply the knowledge in the practice of the development of regions and cities, but also in administration and regional administration, or envigogic.			
32MC-P-PJDP-01	Diploma Thesis Project	Z	0
32MC-P-PRIS-01	Information System Design	Z,ZK	6
Fundamental terms, information systems architecture, basic types of software applications for information system of enterprise, information system lifecycle, approaches 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			
32MC-P-PRIN-01	Innovation Project Management	Z,ZK	6
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, 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 the socio-ecological goals of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate motivation for innovation are often the basic prerequisites for an 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 innovations, 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 innovation project, create a project breakdown structure, create a project innovation plan, create a project budget, define and allocate resources for innovation, manage project development, identify and manage innovation risks, and understand the sourcing process for the project. How to adequately protect intellectual property and how to implement and commercialise innovations. The course includes approaches, experience, and examples of the best innovative companies.			
32MC-P-ROAN-02	Decision Analysis	Z,ZK	4
The aim of the subject Decision Analysis is to acquaint students with the basic methods of decision-making in technical and economic, to use appropriate tools within decision-making processes.			
32MC-P-RINV-01	Innovation Management	Z,ZK	4
Concepts of innovation, prerequisites and barriers to innovation, sources of innovation, strategic considerations of innovation, process innovation, product innovation, service innovation, a macroeconomic view of the role of innovation, organizational support and management of innovation, soft methods and techniques of innovation, systematic-analytical methods and techniques of innovation, economic aspects of innovation, intellectual property of innovation and legal aspects.			
32MC-P-STAN-01	Statistical Analysis	Z,ZK	5
The course builds on the introductory courses of statistics and prefaces slightly advanced statistical analysis methods.			
32MC-P-STRR-01	Strategic Management	Z,ZK	6
The subject is focused on strategic planning and management, including the necessary contexts and links, as one of the main tools for long-term planning and direction of the organization as a whole or part of it (enterprise or institution of any type or even municipality, region or state). As part of teaching the subject, relevant case studies from practice will be used. In the center of attention are questions of competitiveness, competitive advantages, changes in the configuration of business processes and their influence on the process of integration of the Czech economy and Czech companies into global trade.			
32MC-P-SRLZ-01	HR Management Systems	Z,ZK	3
The course includes personnel/human resource management concepts, policies, and practices. The objective is to lecture and train personnel/HRM practices applied by employers with a good reputation in the labor market. Contents cover managerial role and HR department role, HRM systems, personnel/HR planning, recruitment, selection and orientation, training and development, performance management, compensation and benefits, the quality of work life, collective labor relations and social dialogue, career development, and talent management.			
32MC-P-ZUDR-01	Principles of Sustainability	ZK	3

Name of the block: Povinné předměty zaměření
Minimal number of credits of the block: 24

The role of the block: PZ

Code of the group: N0413-P-501
Name of the group: Povinně volitelné předměty oborového zaměření-501-Project and Process management
Requirement credits in the group: In this group you have to gain at least 24 credits
Requirement courses in the group:
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
32ME-P-AGBC-02	**Agile BootCamp** *Petra Jílková, Dagmar Skokanová, Pavel Mužík, Petr Fanta* ***Pavel Mužík*** *Petra Jílková (Gar.)*	Z,ZK	3	24B		PZ
32ME-P-BPMN-01	**Business Process Management** *Petra Šeráková* ***Petra Šeráková*** *Petra Šeráková (Gar.)*	Z,ZK	6	2P+2C		PZ
32ME-P-LNIN-01	**Lean Manufacturing Innovation** *Marek Jemala* ***Marek Jemala*** *Marek Jemala (Gar.)*	Z,ZK	3	2P+1C		PZ
32ME-P-PTMN-01	**Project Technology Management** *Marek Jemala* ***Marek Jemala*** *Marek Jemala (Gar.)*	Z,ZK	6	2P+2C		PZ
32ME-P-PPMS-01	**Standards of Project and Process Management** *Petr Fanta* ***Petr Fanta*** *Petr Fanta (Gar.)*	Z,ZK	6	2P+2C		PZ

Characteristics of the courses of this group of Study Plan: Code=N0413-P-501 Name=Povinně volitelné předměty oborového zaměření-501-Project and Process management

32ME-P-AGBC-02	Agile BootCamp	Z,ZK	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-functional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will offer the right tools and techniques for the design and implementation of Design Sprints, including a practical test of the entire process.

32ME-P-BPMN-01	Business Process Management	Z,ZK	6
32ME-P-LNIN-01	Lean Manufacturing Innovation	Z,ZK	3

After completing the course, the student should be familiar with the following framework topics: Define the main meaning and basic functions of innovation project management, with a focus on lean manufacturing applications within the company. Explain the relationships of Lean management and innovation project management to the main departments of the company. Characterise pre-production, production, and manufacturing processes, as well as related lean manufacturing innovation processes. Explain the procedure for creating an innovation strategy and innovation project with a focus on Lean. Clarify the importance of joint planning/forecasting of new products, services and production technologies in the company. Etc.

32ME-P-PTMN-01	Project Technology Management	Z,ZK	6

Technology project management means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technological innovations, especially 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 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 technology strategy of the company. Explain creating a project plan for implementing new technology. Clarify the importance of the necessary protection of technological intellectual property and the need to commercialize their own technologies at the level of industry, region, or state.

32ME-P-PPMS-01	Standards of Project and Process Management	Z,ZK	6

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: 27
The role of the block: PV

Code of the group: N0413-P-SKUP1
Name of the group: Povinně volitelné předměty - skupina 1: Technické předměty
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
32ME-P-BSAP-01	**Business Process Management in SAP S/4 HANA** *Miloš Ulman* ***Miloš Ulman*** *Miloš Ulman (Gar.)*	ZK	6	2P+2C		PV

32MC-P-HVVT-01	**Technology Assessment** *Karel Mráček* ***Karel Mráček*** *Karel Mráček (Gar.)*	ZK	3	2P+0C		PV
32ME-P-ISAP-01	**Introduction to SAP S/4 HANA** *Miloš Ulman* ***Miloš Ulman*** *Miloš Ulman (Gar.)*	Z	3			PV
32MC-P-KSYS-01	**Telecommunication Systems and Technologies** *Dušan Maga* ***Dušan Maga*** *Dušan Maga (Gar.)*	ZK	3	2P+0C		PV
32MC-P-PRDO-01	**Transportation Engineering Projects** *Oldřich Bronec* ***Oldřich Bronec*** *Oldřich Bronec (Gar.)*	ZK	3	2P+0C		PV
32MC-P-ROBO-01	**Robotics** *Lenka Vysloužilová, Olga Štěpánková, Jaromír Doležal, Jindřich Adolf, Jan Husák* ***Jaromír Doležal*** *Olga Štěpánková (Gar.)*	ZK	6	2P+2C		PV
32MC-P-SMCI-01	**Smart Cities Technologies** ***Martin Maštálka***	ZK	3	2P+0C		PV
32MC-P-ZRIB-01	**Information Security Management and Implementation**	ZK	3	2P+0C		PV

Characteristics of the courses of this group of Study Plan: Code=N0413-P-SKUP1 Name=Povinně volitelné předměty - skupina 1: Technické předměty

32ME-P-BSAP-01	Business Process Management in SAP S/4 HANA	ZK	6
The aim of the course is to introduce participants to the business processes and their implementation on the example of SAP S/4 HANA enterprise information system. The course provides students with knowledge of business processes and their configuration and basics of IT project management. Participants will learn theory and complete individual and group hands-on assignments.			
32MC-P-HVVT-01	Technology Assessment	ZK	3
32ME-P-ISAP-01	Introduction to SAP S/4 HANA	Z	3
32MC-P-KSYS-01	Telecommunication Systems and Technologies	ZK	3
Telecommunications: 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, underwater, and in space. For example: How is electric current created? Painter Morse. Alexander, ring the bell! Telecommunications from the plane. Do you know a Twisted Pair? How a landline works. How the telephone network becomes the Internet. Light and dark. Transmission of information by light. Why are networks "mobile"? 1G, 2G, 3G, 4G, 5G, etc. The more G, the better. How here and how elsewhere? 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 Čakovice. How television (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 things. The biggest mistakes in the history of telco business. The subject scrupulously avoids formulas and mathematical relationships (however, it does not always succeed...) - the keywords are principles and clarity.			
32MC-P-PRDO-01	Transportation Engineering Projects	ZK	3
32MC-P-ROBO-01	Robotics	ZK	6
The course explains the basic principles of robot construction, programming and operation, even to those who have no previous technical knowledge.			
32MC-P-SMCI-01	Smart Cities Technologies	ZK	3
The course Technology for smart cities introduces students to the cross-cutting issues of so-called smart cities, the preparation of the Smart City concept and its planning and indicators.			
32MC-P-ZRIB-01	Information Security Management and Implementation	ZK	3

Code of the group: N0413-P-501-SKUP3
Name of the group: Povinně volitelné předměty - 3. skupina: Odborné kompetence
Requirement credits in the group: In this group you have to gain at least 18 credits
Requirement courses in the group:
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**
32ML-P-ADBE-01	**Advanced Business English** *Halka Varhaníková, Dana Hánková, Anna Wagnerová* ***Eva Císlerová*** *Eva Císlerová (Gar.)*	ZK	6	0P+4C		PV
32ME-P-ADFM-01	**Advanced Topics in Financial Management** *Helmuth Yesid Arias Gomez* ***Helmuth Yesid Arias Gomez*** *Helmuth Yesid Arias Gomez (Gar.)*	Z,ZK	3	0P+2C		PV
32ME-P-AGBC-02	**Agile BootCamp** *Petra Jílková, Dagmar Skokanová, Pavel Mužík, Petr Fanta* ***Pavel Mužík*** *Petra Jílková (Gar.)*	Z,ZK	3	24B		PV
32-ATHENS-WEEK	**ATHENS - intensive one-week course** ***Pavel Andres***	Z	2			PV
32ME-P-BIP3-01	**Blended Intensive Program** *Vincent Blaise Montenero* ***Vincent Blaise Montenero*** *Vincent Blaise Montenero (Gar.)*	Z	3	20B		PV
32ME-P-BPMN-01	**Business Process Management** *Petra Šeráková* ***Petra Šeráková*** *Petra Šeráková (Gar.)*	Z,ZK	6	2P+2C		PV
32ME-P-CLEN-01	**Clean Energy** *Martin Maštálka* ***Martin Maštálka*** *Martin Maštálka (Gar.)*	ZK	3	2P+0C		PV
32ME-P-CLMO-01	**Clean Mobility** ***Martin Maštálka***	ZK	3	2P+0C		PV
32ME-P-CLCH-01	**Climate Change Causalities** *Michael Pondělíček* ***Michael Pondělíček*** *Michael Pondělíček (Gar.)*	Z,ZK	6	3P+1C		PV

32ME-P-CSCI-01	**Climate Change Innovations: Case Studies** *Michael Pondělíček **Michael Pondělíček** Michael Pondělíček (Gar.)*	KZ	3	0P+2C		PV
32MC-P-VLAD-01	**Public Sector Governance** *Radim Bureš **Radim Bureš** Radim Bureš (Gar.)*	Z	3	0P+2C		PV
32ME-P-EFNM-01	**Economic and Financial Modelling** *Jiří Zmatlík **Jiří Zmatlík** Jiří Zmatlík (Gar.)*	KZ	3	0P+2C		PV
32ME-P-ENIC-01	**English for Intercultural Communication** *Eva Císlerová, Ondřej Galuška, Kryštof Beták **Eva Císlerová** Eva Císlerová (Gar.)*	Z,ZK	6	0P+4C		PV
32MC-P-ENAR-01	**Environmental Aspects of Regional Development** *Michael Pondělíček **Michael Pondělíček** Michael Pondělíček (Gar.)*	ZK	3	2P+0C		PV
32ME-P-EUPO-01	**European Union and Regional Policy** *Petr Fanta **Petr Fanta** Petr Fanta (Gar.)*	ZK	3	2P+0C		PV
32MC-P-EVSV-01	**Evaluation and Sociological Research**	Z,ZK	6	2P+2C		PV
32MC-P-GDWE-01	**Green Deal Week** *Michael Pondělíček **Michael Pondělíček** Michael Pondělíček (Gar.)*	KZ	6	40B		PV
32ME-P-GRTR-01	**Green Transition**	Z,ZK	6	2P+2C		PV
32MC-P-EUPO-01	**Implementation of EU Regional Policy in the Czech Republic** ***Petr Fanta***	Z,ZK	6	2P+2C		PV
32ME-P-IFMN-01	**International Financial Management** *Helmuth Yesid Arias Gomez, Aliya Baqyt **Aliya Baqyt** Aliya Baqyt (Gar.)*	Z,ZK	6	2P+2C		PV
32ME-P-INET-01	**International Negotiation: Practical Skills and Techniques** *Vincent Blaise Montenero **Vincent Blaise Montenero** Vincent Blaise Montenero (Gar.)*	Z,ZK	3	1P+1C		PV
32ME-P-MINE-01	**Management in International Environment** *Vincent Blaise Montenero **Vincent Blaise Montenero** Vincent Blaise Montenero (Gar.)*	Z,ZK	3	1P+1C		PV
32ME-P-MNEN-01	**Meetings and Negotiations in English** *Gene Maurice Prior **Eva Císlerová** Eva Císlerová (Gar.)*	Z,ZK	6	0P+4C		PV
32ME-P-MAPM-01	**Modern Approaches in Project Management** *Oldřich Bronec **Oldřich Bronec** Oldřich Bronec (Gar.)*	Z,ZK	3	2P+1C		PV
32ME-P-MEPO-01	**Monetary Economics and Policy** *Aliya Baqyt **Aliya Baqyt** Aliya Baqyt (Gar.)*	Z,ZK	6	2P+2C		PV
32MC-P-NVZM-01	**Rectruitment and selection** *Zuzana Dvořáková **Zuzana Dvořáková** Zuzana Dvořáková (Gar.)*	Z,ZK	3	40B		PV
32MC-P-OTIK-01	**Reflections of Technical Innovations in Culture** *Kateřina Tomešková **Kateřina Tomešková** Kateřina Tomešková (Gar.)*	ZK	3	2P+0C		PV
32ME-P-PECC-01	**Politics and Economics of Climate Change**	Z,ZK	6	2P+2C		PV
32MC-P-PRX1-01	**Internship**	Z	6	180XH		PV
32MC-P-PRKO-01	**Preventing Corruption and Protecting Public Funds** *Petr Vymětal **Petr Vymětal** Petr Vymětal (Gar.)*	Z,ZK	6	2P+2C		PV
32MC-P-PMAG-01	**Agile Product Management** *Petra Jílková **Petra Jílková** Petra Jílková (Gar.)*	Z,ZK	3	1P+1C		PV
32ME-P-PTMN-01	**Project Technology Management** *Marek Jemala **Marek Jemala** Marek Jemala (Gar.)*	Z,ZK	6	2P+2C		PV
32MC-P-PJVS-01	**Production Systems Design** *Oldřich Bronec **Oldřich Bronec** Oldřich Bronec (Gar.)*	Z,ZK	6	2P+2C		PV
32MC-P-IND4-01	**Industry 4.0** *Jan Mládek **Jan Mládek** Jan Mládek (Gar.)*	Z,ZK	3	1P+1C		PV
32MC-P-CSVS-01	**Case Study of Public Sector Innovation Projects and Challenges** *Petr Vymětal **Petr Vymětal** Petr Vymětal (Gar.)*	KZ	3	0P+2C		PV
32MC-P-CSEU-01	**Case Study of innovative Projects in EU Regional Policy**	KZ	3	0P+2C		PV
32MC-P-CSRP-01	**Case Studies of Innovation Projects in the Regions** *Vladimíra Šilhánková **Vladimíra Šilhánková** Vladimíra Šilhánková (Gar.)*	KZ	3	2P+2C		PV
32ME-P-RGIS-01	**Regional Studies** *Vladimíra Šilhánková **Vladimíra Šilhánková** Vladimíra Šilhánková (Gar.)*	ZK	3	2P+0C		PV
32MC-P-RGIS-01	**Regional Studies** *Vladimíra Šilhánková **Vladimíra Šilhánková** Vladimíra Šilhánková (Gar.)*	ZK	3	2P+0C		PV
32MC-P-RPVS-01	**Decision-Making in the Public Sector** *Petr Vymětal **Petr Vymětal** Petr Vymětal (Gar.)*	Z,ZK	6	2P+2C		PV
32MC-P-SDES-01	**Service design** *Petra Jílková **Petra Jílková** Petra Jílková (Gar.)*	Z,ZK	3	0P+2C		PV
32ME-P-6SIG-02	**Six Sigma** *Tomáš Macák **Tomáš Macák** Tomáš Macák (Gar.)*	Z,ZK	3	0P+2C		PV
32MC-P-SMCI-02	**Smart Cities** ***Martin Maštálka***	KZ	3	0P+2C		PV
32ME-P-SMCR-01	**Smart Cities and Regions** *Martin Maštálka **Martin Maštálka** Martin Maštálka (Gar.)*	Z,ZK	6	2P+2C		PV
32MC-P-SVRG-01	**Social Relations in the Regions** *Lucie Plzáková, Petr Studnička **Petr Studnička** Lucie Plzáková (Gar.)*	Z,ZK	3	1P+1C		PV
32MC-P-SPOL-01	**Public and Private Sector Collaboration** *Radim Bureš, Libor Cupal **Radim Bureš** Radim Bureš (Gar.)*	Z,ZK	3	1P+1C		PV

32ME-P-SENM-01	**Strategies of Entering New Markets** *Vincent Blaise Montenero* ***Vincent Blaise Montenero*** *Vincent Blaise Montenero (Gar.)*	Z,ZK	3	1P+1C		PV
32MC-P-UZMN-02	**Territorial Management Planning** *Vladimíra Šilhánková* ***Vladimíra Šilhánková*** *Vladimíra Šilhánková (Gar.)*	Z,ZK	6	3P+1C		PV
32MC-P-VSČR-01	**Public Administration in the Czech Republic** *Radim Bureš* ***Radim Bureš*** *Radim Bureš (Gar.)*	ZK	3	2P+0C		PV
32MC-P-VPGD-01	**Public Space in a Time of New Green Deal Challenges** *Vladimíra Šilhánková* ***Vladimíra Šilhánková*** *Vladimíra Šilhánková (Gar.)*	Z,ZK	6	2P+1C		PV
32ME-P-WMNG-01	**Waste Management and Circular Economy** *Lucie Nencková* ***Lucie Nencková*** *Lucie Nencková (Gar.)*	ZK	3	2P+0C		PV
32MC-P-ZVRS-01	**Green Public Administration** *Petr Studnička* ***Petr Studnička*** *Petr Studnička (Gar.)*	Z,ZK	6	2P+1C		PV

Characteristics of the courses of this group of Study Plan: Code=N0413-P-501-SKUP3 Name=Povinně volitelné předměty - 3. skupina: Odborné kompetence

32ME-P-AGBC-02	Agile BootCamp	Z,ZK	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-functional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will offer the right tools and techniques for the design and implementation of Design Sprints, including a practical test of the entire process.			
32ME-P-BPMN-01	Business Process Management	Z,ZK	6
32ME-P-PTMN-01	Project Technology Management	Z,ZK	6
Technology project management means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technological innovations, especially 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 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 technology strategy of the company. Explain creating a project plan for implementing new technology. Clarify the importance of the necessary protection of technological intellectual property and the need to commercialize their own technologies at the level of industry, region, or state.			
32ML-P-ADBE-01	Advanced Business English	ZK	6
This course is designed to enhance communication skills in English within the context of project management. It places a strong emphasis on achieving clarity, precision and adaptability in both expressing and comprehending the English language. The curriculum expands participants' skills in various areas, such as engaging presentations, pitching, marketing strategies and reporting. Throughout the course, students will have the opportunity to enrich their vocabulary and refine their grasp of English grammar. The newly acquired knowledge can also be effectively applied in engineering settings. Please, note that prior knowledge of English at minimum CEFR B2 level is required. (a short test at the start of the course).			
32ME-P-ADFM-01	Advanced Topics in Financial Management	Z,ZK	3
This hands-on, applied course equips students with the main valuation models that are crucial tools for financial analysts. Key topics include reading and using financial statements, stock valuation using multiple techniques, and presenting financial market research. The course evolves from conceptual foundations to highly practical applications. Students will first master the main valuation models through problem sets and then apply these models in real-world scenarios using business case studies. Throughout the semester, we will discuss and present on global financial and economic news.			
32-ATHENS-WEEK	ATHENS - intensive one-week course	Z	2
32ME-P-BIP3-01	Blended Intensive Program	Z	3
32ME-P-CLEN-01	Clean Energy	ZK	3
Students acquire an overview of currently available sustainable energy sources. They will be familiar with their main benefits, but also the potential problems in the implementation. The whole problematics will be set in the environment of international sustainable development goals and economic impacts on society.			
32ME-P-CLMO-01	Clean Mobility	ZK	3
32ME-P-CLCH-01	Climate Change Causalities	Z,ZK	6
The course gives the students an overview of the links and relationships between adaptation, resiliency, and mitigation. In the field of state administration and self-government, industry and development, and the environment and processes associated with the preparation of investments, the students will be able to identify and evaluate appropriate basic measures and estimate the main adaptation processes and their difficulty for a given settlement or area. Students will get clear information about the processes and activities associated with the planning and implementation of adaptations and mitigations on a living basis, but also at the regional, national, and European level. The course focuses, among other things, on students' practical knowledge of the effects of climate change, so managers from practice will be invited to lessons or seminars.			
32ME-P-CSCI-01	Climate Change Innovations: Case Studies	KZ	3
32MC-P-VLAD-01	Public Sector Governance	Z	3
32ME-P-EFNM-01	Economic and Financial Modelling	KZ	3
The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Portfolio allocation			
32ME-P-ENIC-01	English for Intercultural Communication	Z,ZK	6
The seminar will focus on the importance of accuracy and comprehension in communication in a foreign language, and highlight cultural differences influencing communication, and examine the role of language means in intercultural negotiations. Outline of the subject: . Approaches to culture . Cultural and language context in communication . Intercultural theories and their influence on behaviour and language expression . International English as lingua franca . The most common mistakes as a cause of misunderstanding . Language practice and activities . Case studies on individual topics Language level: CEFR B2			
32MC-P-ENAR-01	Environmental Aspects of Regional Development	ZK	3
32ME-P-EUPO-01	European Union and Regional Policy	ZK	3
The course discusses 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 the integration process. It is based on lectures, class discussions and presentations of various positions present in the debates (group projects / own positions). The objectives of the course are to explain a modern development of the EU, analyse key points in particular areas of integration and practise argumentation skills.			
32MC-P-EVSV-01	Evaluation and Sociological Research	Z,ZK	6
32MC-P-GDWE-01	Green Deal Week	KZ	6
32ME-P-GRTR-01	Green Transition	Z,ZK	6
Green transition is sometimes imagined as a technical question involving mostly energy production and industrial processes. Nonetheless, wider societal, economic and political contexts are indispensable to successful transformation. The course introduces different transition approaches focusing on such wider frameworks and stressing the interconnections between politics, markets, industry, and social changes. Theoretical concepts of transformation will then be linked to current reality in specific regions (with emphasis on but not limited to the EU).			

32MC-P-EUPO-01	Implementation of EU Regional Policy in the Czech Republic	Z,ZK	6
32ME-P-IFMN-01	International Financial Management	Z,ZK	6
In this course, you will explore the world of global finance and extend the principles of finance to an international setting. Throughout the course, the emphasis will be on dealing with exchange risk and market imperfections using various instruments and techniques available, while maximizing the benefits from the expanded global opportunity set. Students will develop an understanding of key topics such as corporate governance around the world, foreign exchange markets, determination and forecasting of exchange rates, foreign exchange risk management, and international direct and portfolio investments. Our primary focus is to understand how theoretical concepts translate into real-world applications. To bridge the gap between theory and practice, students will engage in comprehensive research and analysis of a country and its economy throughout the semester in teams. As we cover various topics in class, you will research how those topics apply to your country and collaborate on presentations that showcase your findings to the class. We will also discuss recent developments in the global financial markets and analyze up-to-date international economic and financial data.			
32ME-P-INET-01	International Negotiation: Practical Skills and Techniques	Z,ZK	3
32ME-P-MINE-01	Management in International Environment	Z,ZK	3
Go through several situations facing a new manager			
32ME-P-MNEN-01	Meetings and Negotiations in English	Z,ZK	6
English for Meetings and Negotiations is part of a series of courses for follow-up students focused on functional language. The course is intended for students at the upper intermediate level. The course focuses on a collaborative model of the English language intended for a range of business or business meetings and negotiations. Although the course is not primarily focused on confrontational negotiation and communication strategies, part of the explanation is devoted to strategies and language for preventing and coping with confrontational situations. The course is based on the modern, increasingly widespread model of "International English", ie international English understood as lingua franca. Listening materials work with recordings of native speakers of all English styles and focus on collocations and idiomatics of American and British English.			
32ME-P-MAPM-01	Modern Approaches in Project Management	Z,ZK	3
32ME-P-MEPO-01	Monetary Economics and Policy	Z,ZK	6
This course provides the main concepts of monetary economics, emphasizing how monetary policy can affect the domestic economy. It consists of three major parts. The first part starts with a definition of money, its functions, and its measures in a form of monetary aggregates statistics compiled by central banks. It leads then to the inner workings of financial markets, particularly the interest rate dynamics of bonds and stocks. The second part focuses on a practical conduct of monetary policy. How money supply is created, what monetary policy tools affect the market interest rate, and how central banks can intervene in the foreign exchange market to regulate the exchange rate. The third part sheds light on the theoretical frameworks of money, aggregate demand-supply analysis based on a monetary policy curve, and channels through which the changes in policy interest rate transmit to the aggregate output and inflation. Nonconventional monetary policy during the global financial crisis of 2007-2009 when countries reached their zero-lower bound of interest rates is demonstrated too. For the case of Czech monetary policy, a guest speaker from the Czech National Bank will be invited to give his/her presentation and answer any specific questions, which may interest students.			
32MC-P-NVZM-01	Rectruitment and selection	Z,ZK	3
The course includes an explanation of the role of psychometrics and AI in recruitment and selection and a demonstration of the practices used in assessing an employee's development potential. The focus is on demonstrating personnel methods applied in recruiting and selecting job applicants in the automotive, engineering, and logistics industries. The goal is to expand knowledge about the current state and trends in recruitment and selection and further develop the skills monitored when evaluating employee potential.			
32MC-P-OTIK-01	Reflections of Technical Innovations in Culture	ZK	3
The course is intended for students of the Master's study program Project Management of Innovations. The teaching is aimed at gaining a wide range of knowledge from the field of innovation processes, for the understanding and internalization of which a deep understanding of the connections between science and culture is an absolutely key.			
32ME-P-PECC-01	Politics and Economics of Climate Change	Z,ZK	6
The course introduces the economic and political dimension of the most pressing current environmental issues: climate change, resource efficiency, energy transition, pollution abatement. These themes will be framed by (i) economic theory pointing out potential market failures, (ii) economic policies aimed at addressing these failures, and (iii) tools of businesses to respond to regulation set forth by economic policies but also voluntary innovative tools to address the issues ahead of regulation. In all of these frameworks, emphasis is put on innovation policies and their potential for generating solutions. These will be especially mission-oriented approach, transition management, and strategies for smart specialization for sustainable development.			
32MC-P-PRX1-01	Internship	Z	6
The classification of the subject of professional practice is based on the decision of the MÚVS ČVUT during their studies to give students the opportunity to acquire quality skills and experience. MÚVS supports the establishment of a relationship between students and companies and emphasizes their mutual cooperation Part of the study plans is short-term professional internship of a pilot nature.			
32MC-P-PRKO-01	Preventing Corruption and Protecting Public Funds	Z,ZK	6
32MC-P-PMAG-01	Agile Product Management	Z,ZK	3
32MC-P-PJVS-01	Production Systems Design	Z,ZK	6
The purpose of the course is to become familiar with: Basic concepts of production and operational management Significant sectors of industrial production and operation of complex technological systems The nature, construction and design of industrial products and the function of complex technological systems The role of human and technological resources in production and operation The issue of material flows and logistics By managing supply purchasing and supply chains Supporting processes in production or operation, maintenance of machines and equipment Production or operation management: planning, organizing, securing resources, leading, controlling Design, innovation and re-engineering of manufacturing or operational systems and processes The issue of production, or operational economics and economic metrics, the KPI system The issue of some current trends, such as automation, robotization, digitalization, internetization, artificial intelligence, personalization, internationalization, localization The issue of complex systems of modern production, such as the Toyota Production System, Lean Management and others Issues of quality management, environmental protection, environmental, material and energy sustainability, circular economy, hygiene and occupational safety, social responsibility in production Issues of change production and operational management			
32MC-P-IND4-01	Industry 4.0	Z,ZK	3
I. Annotation The subject "Industry 4.0" deals with the topic of the fourth industrial revolution with an emphasis on advances in the field of artificial intelligence (AI), 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 analyses the effects of "Industry 4.0" on the economy and 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 "Industry 4.0".			
32MC-P-CSVS-01	Case Study of Public Sector Innovation Projects and Challenges	KZ	3
32MC-P-CSEU-01	Case Study of innovative Projects in EU Regional Policy	KZ	3
32MC-P-CSRP-01	Case Studies of Innovation Projects in the Regions	KZ	3
32ME-P-RGIS-01	Regional Studies	ZK	3
32MC-P-RGIS-01	Regional Studies	ZK	3
32MC-P-RPVS-01	Decision-Making in the Public Sector	Z,ZK	6
32MC-P-SDES-01	Service design	Z,ZK	3
32ME-P-6SIG-02	Six Sigma	Z,ZK	3
The course introduces students to the fundamentals of Six Sigma methodology and Lean thinking. It touches on historical background, main ideas, and actual tools of process optimization and management. Students will get acquainted with measurement and analysis methods (MSA, process capability, SPC, FMEA, control charts, hypothesis testing), applicable to corporate practice and related areas			

32MC-P-SMCI-02	Smart Cities	KZ	3
32ME-P-SMCR-01	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.			
32MC-P-SVRG-01	Social Relations in the Regions	Z,ZK	3
32MC-P-SPOL-01	Public and Private Sector Collaboration	Z,ZK	3
The course on Public-Private Partnerships is designed for students who wish to develop their knowledge of public-private partnerships (PPPs) as part of their professional focus. The course provides an overview of Public-Private Partnerships (PPPs)what they are, how they are used to provide infrastructure assets and services, their benefits, and their pitfalls.			
32ME-P-SENM-01	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.			
32MC-P-UZMN-02	Territorial Management Planning	Z,ZK	6
32MC-P-VSČR-01	Public Administration in the Czech Republic	ZK	3
32MC-P-VPGD-01	Public Space in a Time of New Green Deal Challenges	Z,ZK	6
32ME-P-WMNG-01	Waste Management and Circular Economy	ZK	3
The study objective of this course it to explain the potential of circular economy including proper waste management as a crucial material policy and one of the main pillar of the transition towards carbon neutral economy/society. After successful completion, students will be able to understand challenges of circular economy and waste management as an integral part of circular economy for 21. century in the context of innovations, smart city/villages/regions concepts, resilience as one of global (mega)trends, the cross sectoral/holistic approach (especially in relation to the energy sector) and in necessary social and ethical contexts.			
32MC-P-ZVRS-01	Green Public Administration	Z,ZK	6

List of courses of this pass:

Code	Name of the course	Completion	Credits
32-ATHENS-WEEK	ATHENS - intensive one-week course	Z	2
32MC-P-CORI-01	Controlling	Z,ZK	4
Controlling is a method of effective management oriented towards the future, with a preference for an ex-ante approach. Controlling management is focused on results according to the requirements for managing a company by value. VBM, active controlling is a prerequisite for a strategic approach to planning and maintaining the financial health of the company, while meeting the requirements of investors for a return on invested capital. Operational controlling is a prerequisite for liquidity and ensuring the solvency of the company			
32MC-P-CSEU-01	Case Study of innovative Projects in EU Regional Policy	KZ	3
32MC-P-CSRP-01	Case Studies of Innovation Projects in the Regions	KZ	3
32MC-P-CSVS-01	Case Study of Public Sector Innovation Projects and Challenges	KZ	3
32MC-P-DIPR-01	Diploma Thesis	Z	12
32MC-P-EKON-01	Economics	Z,ZK	6
32MC-P-ENAR-01	Environmental Aspects of Regional Development	ZK	3
32MC-P-EUPO-01	Implementation of EU Regional Policy in the Czech Republic	Z,ZK	6
32MC-P-EVSV-01	Evaluation and Sociological Research	Z,ZK	6
32MC-P-FIPR-01	Financial Law	ZK	3
Following introductory lectures on financial law, its sources, the financial system, and commercial corporations, a substantial part of the Financial Law course deals with capital markets, collective investment, business financing options, and other topics, the basic knowledge of which can be considered one of the fundamental pillars of the legal awareness of MÚVS students in financial law.			
32MC-P-FRPI-01	Financial Management of Corporate Innovation	Z,ZK	3
32MC-P-GDWE-01	Green Deal Week	KZ	6
32MC-P-HVVT-01	Technology Assessment	ZK	3
32MC-P-IND4-01	Industry 4.0	Z,ZK	3
I. Annotation The subject "Industry 4.0" deals with the topic of the fourth industrial revolution with an emphasis on advances in the field of artificial intelligence (AI), 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 analyses the effects of "Industry 4.0" on the economy and 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 "Industry 4.0".			
32MC-P-KSYS-01	Telecommunication Systems and Technologies	ZK	3
Telecommunications: 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, underwater, and in space. For example: How is electric current created? Painter Morse. Alexander, ring the bell! Telecommunications from the plane. Do you know a Twisted Pair? How a landline works. How the telephone network becomes the Internet. Light and dark. Transmission of information by light. Why are networks "mobile"? 1G, 2G, 3G, 4G, 5G, etc. The more G, the better. How here and how elsewhere? 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 Čakovice. How television (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 things. The biggest mistakes in the history of telco business. The subject scrupulously avoids formulas and mathematical relationships (however, it does not always succeed...) - the keywords are principles and clarity.			
32MC-P-MKIN-01	Marketing of Innovations	Z,ZK	4
32MC-P-NVZM-01	Rectruitment and selection	Z,ZK	3
The course includes an explanation of the role of psychometrics and AI in recruitment and selection and a demonstration of the practices used in assessing an employee's development potential. The focus is on demonstrating personnel methods applied in recruiting and selecting job applicants in the automotive, engineering, and logistics industries. The goal is to expand knowledge about the current state and trends in recruitment and selection and further develop the skills monitored when evaluating employee potential.			
32MC-P-OTIK-01	Reflections of Technical Innovations in Culture	ZK	3
The course is intended for students of the Master's study program Project Management of Innovations. The teaching is aimed at gaining a wide range of knowledge from the field of innovation processes, for the understanding and internalization of which a deep understanding of the connections between science and culture is an absolutely key.			

32MC-P-PJDP-01	Diploma Thesis Project	Z	0
32MC-P-PJVS-01	Production Systems Design	Z,ZK	6
The purpose of the course is to become familiar with: Basic concepts of production and operational management Significant sectors of industrial production and operation of complex technological systems The nature, construction and design of industrial products and the function of complex technological systems The role of human and technological resources in production and operation The issue of material flows and logistics By managing supply purchasing and supply chains Supporting processes in production or operation, maintenance of machines and equipment Production or operation management: planning, organizing, securing resources, leading, controlling Design, innovation and re-engineering of manufacturing or operational systems and processes The issue of production, or operational economics and economic metrics, the KPI system The issue of some current trends, such as automation, robotization, digitalization, internetization, artificial intelligence, personalization, internationalization, localization The issue of complex systems of modern production, such as the Toyota Production System, Lean Management and others Issues of quality management, environmental protection, environmental, material and energy sustainability, circular economy, hygiene and occupational safety, social responsibility in production Issues of change production and operational management			
32MC-P-PMAG-01	Agile Product Management	Z,ZK	3
32MC-P-PRDO-01	Transportation Engineering Projects	ZK	3
32MC-P-PRIN-01	Innovation Project Management	Z,ZK	6
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, 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 the socio-ecological goals of innovation, constant study of trends and risks, an appropriate budget, Change- and Risk management, and adequate motivation for innovation are often the basic prerequisites for an 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 innovations, 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 innovation project, create a project breakdown structure, create a project innovation plan, create a project budget, define and allocate resources for innovation, manage project development, identify and manage innovation risks, and understand the sourcing process for the project. How to adequately protect intellectual property and how to implement and commercialise innovations. The course includes approaches, experience, and examples of the best innovative companies.			
32MC-P-PRIS-01	Information System Design	Z,ZK	6
Fundamental terms, information systems architecture, basic types of software applications for information system of enterprise, information system lifecycle, approaches 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			
32MC-P-PRKO-01	Preventing Corruption and Protecting Public Funds	Z,ZK	6
32MC-P-PRX1-01	Internship	Z	6
The classification of the subject of professional practice is based on the decision of the MÚVS ČVUT during their studies to give students the opportunity to acquire quality skills and experience. MÚVS supports the establishment of a relationship between students and companies and emphasizes their mutual cooperation Part of the study plans is short-term professional internship of a pilot nature.			
32MC-P-RGIS-01	Regional Studies	ZK	3
32MC-P-RINV-01	Innovation Management	Z,ZK	4
Concepts of innovation, prerequisites and barriers to innovation, sources of innovation, strategic considerations of innovation, process innovation, product innovation, service innovation, a macroeconomic view of the role of innovation, organizational support and management of innovation, soft methods and techniques of innovation, systematic-analytical methods and techniques of innovation, economic aspects of innovation, intellectual property of innovation and legal aspects.			
32MC-P-ROAN-02	Decision Analysis	Z,ZK	4
The aim of the subject Decision Analysis is to acquaint students with the basic methods of decision-making in technical and economic, to use appropriate tools within decision-making processes.			
32MC-P-ROBO-01	Robotics	ZK	6
The course explains the basic principles of robot construction, programming and operation, even to those who have no previous technical knowledge.			
32MC-P-RPVS-01	Decision-Making in the Public Sector	Z,ZK	6
32MC-P-SDES-01	Service design	Z,ZK	3
32MC-P-SMCI-01	Smart Cities Technologies	ZK	3
The course Technology for smart cities introduces students to the cross-cutting issues of so-called smart cities, the preparation of the Smart City concept and its planning and indicators.			
32MC-P-SMCI-02	Smart Cities	KZ	3
32MC-P-SPOL-01	Public and Private Sector Collaboration	Z,ZK	3
The course on Public-Private Partnerships is designed for students who wish to develop their knowledge of public-private partnerships (PPPs) as part of their professional focus. The course provides an overview of Public-Private Partnerships (PPPs)what they are, how they are used to provide infrastructure assets and services, their benefits, and their pitfalls.			
32MC-P-SRLZ-01	HR Management Systems	Z,ZK	3
The course includes personnel/human resource management concepts, policies, and practices. The objective is to lecture and train personnel/HRM practices applied by employers with a good reputation in the labor market. Contents cover managerial role and HR department role, HRM systems, personnel/HR planning, recruitment, selection and orientation, training and development, performance management, compensation and benefits, the quality of work life, collective labor relations and social dialogue, career development, and talent management.			
32MC-P-STAN-01	Statistical Analysis	Z,ZK	5
The course builds on the introductory courses of statistics and prefaces slightly advanced statistical analysis methods.			
32MC-P-STRR-01	Strategic Management	Z,ZK	6
The subject is focused on strategic planning and management, including the necessary contexts and links, as one of the main tools for long-term planning and direction of the organization as a whole or part of it (enterprise or institution of any type or even municipality, region or state). As part of teaching the subject, relevant case studies from practice will be used. In the center of attention are questions of competitiveness, competitive advantages, changes in the configuration of business processes and their influence on the process of integration of the Czech economy and Czech companies into global trade.			
32MC-P-SVRG-01	Social Relations in the Regions	Z,ZK	3
32MC-P-UZMN-02	Territorial Management Planning	Z,ZK	6
32MC-P-VLAD-01	Public Sector Governance	Z	3
32MC-P-VPGD-01	Public Space in a Time of New Green Deal Challenges	Z,ZK	6
32MC-P-VSČR-01	Public Administration in the Czech Republic	ZK	3
32MC-P-ZRIB-01	Information Security Management and Implementation	ZK	3
32MC-P-ZUDR-01	Principles of Sustainability	ZK	3

32MC-P-ZVRS-01	Green Public Administration	Z,ZK	6
32ME-P-6SIG-02	Six Sigma	Z,ZK	3
The course introduces students to the fundamentals of Six Sigma methodology and Lean thinking. It touches on historical background, main ideas, and actual tools of process optimization and management. Students will get acquainted with measurement and analysis methods (MSA, process capability, SPC, FMEA, control charts, hypothesis testing), applicable to corporate practice and related areas			
32ME-P-ADFM-01	Advanced Topics in Financial Management	Z,ZK	3
This hands-on, applied course equips students with the main valuation models that are crucial tools for financial analysts. Key topics include reading and using financial statements, stock valuation using multiple techniques, and presenting financial market research. The course evolves from conceptual foundations to highly practical applications. Students will first master the main valuation models through problem sets and then apply these models in real-world scenarios using business case studies. Throughout the semester, we will discuss and present on global financial and economic news.			
32ME-P-AGBC-02	Agile BootCamp	Z,ZK	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-functional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will offer the right tools and techniques for the design and implementation of Design Sprints, including a practical test of the entire process.			
32ME-P-BIP3-01	Blended Intensive Program	Z	3
32ME-P-BPMN-01	Business Process Management	Z,ZK	6
32ME-P-BSAP-01	Business Process Management in SAP S/4 HANA	ZK	6
The aim of the course is to introduce participants to the business processes and their implementation on the example of SAP S/4 HANA enterprise information system. The course provides students with knowledge of business processes and their configuration and basics of IT project management. Participants will learn theory and complete individual and group hands-on assignments.			
32ME-P-CLCH-01	Climate Change Causalities	Z,ZK	6
The course gives the students an overview of the links and relationships between adaptation, resiliency, and mitigation. In the field of state administration and self-government, industry and development, and the environment and processes associated with the preparation of investments, the students will be able to identify and evaluate appropriate basic measures and estimate the main adaptation processes and their difficulty for a given settlement or area. Students will get clear information about the processes and activities associated with the planning and implementation of adaptations and mitigations on a living basis, but also at the regional, national, and European level. The course focuses, among other things, on students' practical knowledge of the effects of climate change, so managers from practice will be invited to lessons or seminars.			
32ME-P-CLEN-01	Clean Energy	ZK	3
Students acquire an overview of currently available sustainable energy sources. They will be familiar with their main benefits, but also the potential problems in the implementation. The whole problematics will be set in the environment of international sustainable development goals and economic impacts on society.			
32ME-P-CLMO-01	Clean Mobility	ZK	3
32ME-P-CSCI-01	Climate Change Innovations: Case Studies	KZ	3
32ME-P-EFNM-01	Economic and Financial Modelling	KZ	3
The course is organized in 2 seminars weekly, 3 credits. Analyzing and solving models of optimal allocation of assets, management of risk, and Portfolio allocation			
32ME-P-ENIC-01	English for Intercultural Communication	Z,ZK	6
The seminar will focus on the importance of accuracy and comprehension in communication in a foreign language, and highlight cultural differences influencing communication, and examine the role of language means in intercultural negotiations. Outline of the subject: . Approaches to culture . Cultural and language context in communication . Intercultural theories and their influence on behaviour and language expression . International English as lingua franca . The most common mistakes as a cause of misunderstanding . Language practice and activities . Case studies on individual topics Language level: CEFR B2			
32ME-P-EUPO-01	European Union and Regional Policy	ZK	3
The course discusses 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 the integration process. It is based on lectures, class discussions and presentations of various positions present in the debates (group projects / own positions). The objectives of the course are to explain a modern development of the EU, analyse key points in particular areas of integration and practise argumentation skills.			
32ME-P-GRTR-01	Green Transition	Z,ZK	6
Green transition is sometimes imagined as a technical question involving mostly energy production and industrial processes. Nonetheless, wider societal, economic and political contexts are indispensable to successful transformation. The course introduces different transition approaches focusing on such wider frameworks and stressing the interconnections between politics, markets, industry, and social changes. Theoretical concepts of transformation will then be linked to current reality in specific regions (with emphasis on but not limited to the EU).			
32ME-P-IFMN-01	International Financial Management	Z,ZK	6
In this course, you will explore the world of global finance and extend the principles of finance to an international setting. Throughout the course, the emphasis will be on dealing with exchange risk and market imperfections using various instruments and techniques available, while maximizing the benefits from the expanded global opportunity set. Students will develop an understanding of key topics such as corporate governance around the world, foreign exchange markets, determination and forecasting of exchange rates, foreign exchange risk management, and international direct and portfolio investments. Our primary focus is to understand how theoretical concepts translate into real-world applications. To bridge the gap between theory and practice, students will engage in comprehensive research and analysis of a country and its economy throughout the semester in teams. As we cover various topics in class, you will research how those topics apply to your country and collaborate on presentations that showcase your findings to the class. We will also discuss recent developments in the global financial markets and analyze up-to-date international economic and financial data.			
32ME-P-INET-01	International Negotiation: Practical Skills and Techniques	Z,ZK	3
32ME-P-ISAP-01	Introduction to SAP S/4 HANA	Z	3
32ME-P-LNIN-01	Lean Manufacturing Innovation	Z,ZK	3
After completing the course, the student should be familiar with the following framework topics: Define the main meaning and basic functions of innovation project management, with a focus on lean manufacturing applications within the company. Explain the relationships of Lean management and innovation project management to the main departments of the company. Characterise pre-production, production, and manufacturing processes, as well as related lean manufacturing innovation processes. Explain the procedure for creating an innovation strategy and innovation project with a focus on Lean. Clarify the importance of joint planning/forecasting of new products, services and production technologies in the company. Etc.			
32ME-P-MAPM-01	Modern Approaches in Project Management	Z,ZK	3
32ME-P-MEPO-01	Monetary Economics and Policy	Z,ZK	6
This course provides the main concepts of monetary economics, emphasizing how monetary policy can affect the domestic economy. It consists of three major parts. The first part starts with a definition of money, its functions, and its measures in a form of monetary aggregates statistics compiled by central banks. It leads then to the inner workings of financial markets, particularly the interest rate dynamics of bonds and stocks. The second part focuses on a practical conduct of monetary policy. How money supply is created, what monetary policy tools affect the market interest rate, and how central banks can intervene in the foreign exchange market to regulate the exchange rate. The third part sheds light on the theoretical frameworks of money, aggregate demand-supply analysis based on a monetary policy curve, and channels through which the changes in policy interest rate transmit to the aggregate output and inflation. Nonconventional monetary policy during the global financial crisis of 2007-2009 when countries reached their zero-lower bound of interest rates is demonstrated			

	too. For the case of Czech monetary policy, a guest speaker from the Czech National Bank will be invited to give his/her presentation and answer any specific questions, which may interest students.		
32ME-P-MINE-01	Management in International Environment	Z,ZK	3
	Go through several situations facing a new manager		
32ME-P-MKIN-01	Marketing of Innovations	Z,ZK	4
	The course explores how innovations are marketed, adopted, and diffused. It provides students with a deep understanding of marketing fundamentals while emphasizing the specific challenges and opportunities in marketing innovative products, services, and business models. Students will develop the ability to analyze markets for innovation, craft marketing strategies, and apply theory to real-world innovation challenges.		
32ME-P-MNEN-01	Meetings and Negotiations in English	Z,ZK	6
	English for Meetings and Negotiations is part of a series of courses for follow-up students focused on functional language. The course is intended for students at the upper intermediate level. The course focuses on a collaborative model of the English language intended for a range of business or business meetings and negotiations. Although the course is not primarily focused on confrontational negotiation and communication strategies, part of the explanation is devoted to strategies and language for preventing and coping with confrontational situations. The course is based on the modern, increasingly widespread model of "International English", ie international English understood as lingua franca. Listening materials work with recordings of native speakers of all English styles and focus on collocations and idiomatics of American and British English.		
32ME-P-PECC-01	Politics and Economics of Climate Change	Z,ZK	6
	The course introduces the economic and political dimension of the most pressing current environmental issues: climate change, resource efficiency, energy transition, pollution abatement. These themes will be framed by (i) economic theory pointing out potential market failures, (ii) economic policies aimed at addressing these failures, and (iii) tools of businesses to respond to regulation set forth by economic policies but also voluntary innovative tools to address the issues ahead of regulation. In all of these frameworks, emphasis is put on innovation policies and their potential for generating solutions. These will be especially mission-oriented approach, transition management, and strategies for smart specialization for sustainable development.		
32ME-P-PIMN-01	Innovation Project Management	Z,ZK	6
32ME-P-PPMS-01	Standards of Project and Process Management	Z,ZK	6
	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.		
32ME-P-PSUS-01	Principles of Sustainability	ZK	3
	Part of the course is an explanation of the history of the concept and the procedure to sustainability, the most up-to-date directions and thought processes in current global, European and Czech politics. The course, among other things, focuses on the practical knowledge of students, so managers from practice will be invited to the lessons. Part of the course will be a visit/excursion. The procedural focus of the course allows to apply the knowledge in the practice of the development of regions and cities, but also in administration and regional administration, or envigogic.		
32ME-P-PTMN-01	Project Technology Management	Z,ZK	6
	Technology project management means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technological innovations, especially 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 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 technology strategy of the company. Explain creating a project plan for implementing new technology. Clarify the importance of the necessary protection of technological intellectual property and the need to commercialize their own technologies at the level of industry, region, or state.		
32ME-P-RGIS-01	Regional Studies	ZK	3
32ME-P-SENM-01	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.		
32ME-P-SMCR-01	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.		
32ME-P-WMNG-01	Waste Management and Circular Economy	ZK	3
	The study objective of this course it to explain the potential of circular economy including proper waste management as a crucial material policy and one of the main pillar of the transition towards carbon neutral economy/society. After successful completion, students will be able to understand challenges of circular economy and waste management as an integral part of circular economy for 21. century in the context of innovations, smart city/villages/regions concepts, resilience as one of global (mega)trends, the cross sectoral/holistic approach (especially in relation to the energy sector) and in necessary social and ethical contexts.		
32ML-P-ADBE-01	Advanced Business English	ZK	6
	This course is designed to enhance communication skills in English within the context of project management. It places a strong emphasis on achieving clarity, precision and adaptability in both expressing and comprehending the English language. The curriculum expands participants' skills in various areas, such as engaging presentations, pitching, marketing strategies and reporting. Throughout the course, students will have the opportunity to enrich their vocabulary and refine their grasp of English grammar. The newly acquired knowledge can also be effectively applied in engineering settings. Please, note that prior knowledge of English at minimum CEFR B2 level is required. (a short test at the start of the course).		

For updated information see http://bilakniha.cvut.cz/en/FF.html
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