

## Study plan

### Name of study plan: PRI kombinovaná forma od 20/21 specializace Project Management

Faculty/Institute/Others:

Department:

Branch of study guaranteed by the department: Welcome page

Garantor of the study branch:

Program of study: Innovation Project Management

Type of study: Follow-up master combined

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: N-PRI-CK 3S OD 20/21

Name of the group: N-PRI-CK 3. semestr od 20/21 povinné p edm ty

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 5 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, <b>authors</b> and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
K63C3201	<b>Macroeconomic Theory</b>	ZK	3	24B		Z
K00C3101	<b>Diploma Thesis Project</b>	Z	0	2B		Z
K16C3103	<b>Decision Analysis</b>	Z,ZK	6	20B	Z	Z
K16C3102	<b>Innovation Management and Innovation Project</b> <i>Tomáš Sadílek</i>	Z,ZK	6	20B		Z
K16C3101	<b>Strategic Management</b>	Z,ZK	6	20B		Z

**Characteristics of the courses of this group of Study Plan: Code=N-PRI-CK 3S OD 20/21 Name=N-PRI-CK 3. semestr od 20/21 povinné p edm ty**

K63C3201	Macroeconomic Theory			ZK	3
K00C3101	Diploma Thesis Project			Z	0
K16C3103	Decision Analysis			Z,ZK	6
K16C3102	Innovation Management and Innovation Project Concepts of innovation, assumptions and barriers to innovation, sources of innovation, strategic considerations about innovation, process innovation, product innovation, service innovation, macroeconomic view of the role of innovation, organizational security and innovation management, soft methods and innovative techniques, systematic-analytical methods and innovative techniques, economic aspects of innovation, intellectual property of innovation and legal aspects.			Z,ZK	6
K16C3101	Strategic Management			Z,ZK	6

Code of the group: PJM CK 4S 20/21 POV

Name of the group: Povinné p edm ty, kombinovaná forma, 4.semestr, 20/21, Project Management

Requirement credits in the group: In this group you have to gain 18 credits

Requirement courses in the group: In this group you have to complete 2 courses

Credits in the group: 18

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, <b>authors</b> and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
K00C4102	<b>Diploma Thesis</b>	Z	12			Z

K63C4401	Project of Information System	Z,ZK	6	20B	L	Z
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Characteristics of the courses of this group of Study Plan: Code=PJM CK 4S 20/21 POV Name=Povinné p edm ty, kombinovaná forma, 4.semestr, 20/21, Project Management

K00C4102	Diploma Thesis	Z	12
K63C4401	Project of Information System	Z,ZK	6

Code of the group: PJM CK 20/21 1S POV

Name of the group: PRI kombinovaná forma specializace Project Management 1.s. 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
K63C2301	<b>Controlling</b> Arnošt Klesla Arnošt Klesla	Z,ZK	6	20B		Z
K16C1401	<b>Innovation Marketing</b> Tomáš Sadílek, Petra Jílková Tomáš Sadílek	Z,ZK	6	20B		Z
K16C1201	<b>Project Management</b> Petr Fanta Petr Fanta	Z,ZK	6	20B		Z
K63C1301	<b>Corporate Financial Management</b> Arnošt Klesla Arnošt Klesla	Z,ZK	6	20B		Z

Characteristics of the courses of this group of Study Plan: Code=PJM CK 20/21 1S POV Name=PRI kombinovaná forma specializace Project Management 1.s. povinné p edm ty

K63C2301	Controlling	Z,ZK	6
K16C1401	Innovation Marketing	Z,ZK	6
K16C1201	Project Management	Z,ZK	6
K63C1301	Corporate Financial Management	Z,ZK	6

The course provides a comprehensive view of long-term development of the company in terms of financial planning and management. It assumes a knowledge of financial analysis and long-term financing options. The base is in a complex planning and predicting the future. A significant area is dedicated to all stages of the investment process.

Code of the group: PJM CK 20/21 2S POV

Name of the group: 2. semestr PJM CK od 20/21 povinné p edm ty

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 4 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
K63C2302	<b>Financial Law</b>	ZK	3	12B		Z
K63C2201	<b>Macroeconomic Theory</b> František Hebík	ZK	3	24B	L	Z
K16E2202	<b>Project Technology Management</b> Marek Jemala Marek Jemala	ZK	6	20B		Z
K63C1102	<b>Statistical Analysis</b> Tomáš Löster Tomáš Löster	Z,ZK	6	32B		Z

Characteristics of the courses of this group of Study Plan: Code=PJM CK 20/21 2S POV Name=2. semestr PJM CK od 20/21 povinné p edm ty

K63C2302	Financial Law	ZK	3
K63C2201	Macroeconomic Theory	ZK	3
K16E2202	Project Technology Management	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.

K63C1102	Statistical Analysis	Z,ZK	6
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Name of the block: Povinné p ední ty specializace

Minimal number of credits of the block: 6

The role of the block: PS

Code of the group: PJM CK 20/21 2S SP

Name of the group: 2. semestr PJM CK od 20/21 p ední ty specializace

Requirement credits in the group: In this group you have to gain 6 credits

Requirement courses in the group: In this group you have to complete 1 course

Credits in the group: 6

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, <b>authors</b> and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
K16E2201	<b>Modern Approaches in Project Management</b>	Z,ZK	6	20B		PS

Characteristics of the courses of this group of Study Plan: Code=PJM CK 20/21 2S SP Name=2. semestr PJM CK od 20/21 p ední ty specializace

K16E2201	Modern Approaches in Project Management			Z,ZK		6
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Name of the block: Povinné p ední ty zam ení

Minimal number of credits of the block: 12

The role of the block: PZ

Code of the group: PJM CK 20/21 3S SP

Name of the group: N-PRI-CK 3. semestr od 20/21 p ední ty specializace Project Management

Requirement credits in the group: In this group you have to gain 3 credits

Requirement courses in the group: In this group you have to complete 1 course

Credits in the group: 3

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, <b>authors</b> and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
K16E0201	<b>Agile Bootcamp</b>	KZ	3	24B		PZ

Characteristics of the courses of this group of Study Plan: Code=PJM CK 20/21 3S SP Name=N-PRI-CK 3. semestr od 20/21 p ední ty specializace Project Management

K16E0201	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-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.						

Code of the group: PJM CK 20/21 - 4S SP

Name of the group: N-PRI-CK 4. semestr od 20/21 p ední ty specializace Project Management

Requirement credits in the group: In this group you have to gain 3 credits

Requirement courses in the group: In this group you have to complete 1 course

Credits in the group: 3

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, <b>authors</b> and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
K16E0501	<b>Social Competences in Project and Process Management</b>	Z	3	12B		PZ

Characteristics of the courses of this group of Study Plan: Code=PJM CK 20/21 - 4S SP Name=N-PRI-CK 4. semestr od 20/21 p ední ty specializace Project Management

K16E0501	Social Competences in Project and Process Management			Z		3
Social competencies, soft skills, typology, successful team management						

Code of the group: PJM CK 20/21 1S SP

Name of the group: PRI kombinovaná forma 1.s. od 20/21 specializace Project Management p edm ty specializace

Requirement credits in the group: In this group you have to gain 6 credits

Requirement courses in the group: In this group you have to complete 1 course

Credits in the group: 6

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) <i>Tutors, authors and guarantors (gar.)</i>	Completion	Credits	Scope	Semester	Role
K16E1201	<b>Standards of Project Management</b> <i>Petr Fanta</i>	Z,ZK	6	20B		PZ

Characteristics of the courses of this group of Study Plan: Code=PJM CK 20/21 1S SP Name=PRI kombinovaná forma 1.s. od 20/21 specializace Project Management p edm ty specializace

K16E1201	Standards of Project 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.		
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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: PJM CK 20/21 PVT

Name of the group: PJM CK povinn volitelné technické p edm ty od 20/21

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

Requirement courses in the group: In this group you have to complete at least 2 courses ( at most 3)

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) <i>Tutors, authors and guarantors (gar.)</i>	Completion	Credits	Scope	Semester	Role
K77C0007	<b>Communication Systems and Networks</b>	ZK	3	12B		PV
K77C0003	<b>Transportation Engineering Projects</b>	ZK	3	12B		PV
K16C0601	<b>Technology Forecasting</b>	Z,ZK	3	12B		PV
K77C0004	<b>Smart Cities Technologies</b>	ZK	3	12B		PV
K77C0009	<b>Information Security Management and Implementation</b>	ZK	3	12B		PV

Characteristics of the courses of this group of Study Plan: Code=PJM CK 20/21 PVT Name=PJM CK povinn volitelné technické p edm ty od 20/21

K77C0007	Communication Systems and Networks	ZK	3			
K77C0003	Transportation Engineering Projects	ZK	3			
K16C0601	Technology Forecasting	Z,ZK	3			
K77C0004	Smart Cities Technologies	ZK	3			
The subject Technology for smart cities introduces students to the cross-cutting issues of smart cities, the preparation of the Smart City concept and its planning procedure and indicators.						
K77C0009	Information Security Management and Implementation	ZK	3			

Code of the group: PJM CK 20/21 PVP

Name of the group: PRI-PJM kombinovaná forma od 20/21 povinn volitelné p edm ty 3.+ 4. semestr

Requirement credits in the group: In this group you have to gain 12 credits

Requirement courses in the group: In this group you have to complete at least 2 courses ( at most 4)

Credits in the group: 12

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) <i>Tutors, authors and guarantors (gar.)</i>	Completion	Credits	Scope	Semester	Role
K16E0201	<b>Agile Bootcamp</b>	KZ	3	24B		PV

K16C0101	<b>Balanced Scorecard</b>	Z,ZK	6	20B	PV
K63C0301	<b>Valuation of Firm and Projects</b>	Z,ZK	6	20B	PV
K66C0101	<b>Reflections of Technical Innovations in Culture</b>	ZK	3	12B	PV
K63C0302	<b>Corporate Crisis</b> <i>Tomáš Sadílek</i>	Z,ZK	3	12B	PV
K65C0103	<b>Public Relations</b>	Z,ZK	3	12B	PV

**Characteristics of the courses of this group of Study Plan: Code=PJM CK 20/21 PVP Name=PRI-PJM kombinovaná forma od 20/21 povinn volitelné p edm ty 3.+ 4. semestr**

K16E0201	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-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.			
K16C0101	Balanced Scorecard	Z,ZK	6
K63C0301	Valuation of Firm and Projects	Z,ZK	6
K66C0101	Reflections of Technical Innovations in Culture	ZK	3
K63C0302	Corporate Crisis	Z,ZK	3
The aim of the course is an introduction of negative impacts of internal and external factors on the corporate life cycle. Crisis and corporate default are a natural phenomenon in the economy. It is important for students to be prepared on such a possible development and to have the knowledge to eventually reverse the unfavourable corporate development Knowledge should be in economic as well as in legislative perspective. The course will be especially based on case studies and practical applications respecting current economic reality and legal regulation.			
K65C0103	Public Relations	Z,ZK	3

**List of courses of this pass:**

Code	Name of the course	Completion	Credits
K00C3101	Diploma Thesis Project	Z	0
K00C4102	Diploma Thesis	Z	12
K16C0101	Balanced Scorecard	Z,ZK	6
K16C0601	Technology Forecasting	Z,ZK	3
K16C1201	Project Management	Z,ZK	6
K16C1401	Innovation Marketing	Z,ZK	6
K16C3101	Strategic Management	Z,ZK	6
K16C3102	Innovation Management and Innovation Project	Z,ZK	6
Concepts of innovation, assumptions and barriers to innovation, sources of innovation, strategic considerations about innovation, process innovation, product innovation, service innovation, macroeconomic view of the role of innovation, organizational security and innovation management, soft methods and innovative techniques, systematic-analytical methods and innovative techniques, economic aspects of innovation, intellectual property of innovation and legal aspects.			
K16C3103	Decision Analysis	Z,ZK	6
K16E0201	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-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.			
K16E0501	Social Competences in Project and Process Management	Z	3
Social competencies, soft skills, typology, successful team management			
K16E1201	Standards of Project 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.			
K16E2201	Modern Approaches in Project Management	Z,ZK	6
K16E2202	Project Technology Management	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.			
K63C0301	Valuation of Firm and Projects	Z,ZK	6
K63C0302	Corporate Crisis	Z,ZK	3
The aim of the course is an introduction of negative impacts of internal and external factors on the corporate life cycle. Crisis and corporate default are a natural phenomenon in the economy. It is important for students to be prepared on such a possible development and to have the knowledge to eventually reverse the unfavourable corporate development Knowledge should be in economic as well as in legislative perspective. The course will be especially based on case studies and practical applications respecting current economic reality and legal regulation.			

K63C1102	Statistical Analysis	Z,ZK	6
K63C1301	Corporate Financial Management	Z,ZK	6
The course provides a comprehensive view of long-term development of the company in terms of financial planning and management. It assumes a knowledge of financial analysis and long-term financing options. The base is in a complex planning and predicting the future. A significant area is dedicated to all stages of the investment process.			
K63C2201	Macroeconomic Theory	ZK	3
K63C2301	Controlling	Z,ZK	6
K63C2302	Financial Law	ZK	3
K63C3201	Macroeconomic Theory	ZK	3
K63C4401	Project of Information System	Z,ZK	6
K65C0103	Public Relations	Z,ZK	3
K66C0101	Reflections of Technical Innovations in Culture	ZK	3
K77C0003	Transportation Engineering Projects	ZK	3
K77C0004	Smart Cities Technologies	ZK	3
The subject Technology for smart cities introduces students to the cross-cutting issues of smart cities, the preparation of the Smart City concept and its planning procedure and indicators.			
K77C0007	Communication Systems and Networks	ZK	3
K77C0009	Information Security Management and Implementation	ZK	3

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

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