#### Study plan

#### Name of study plan: Project Management, kombinovaná forma, AR 2022/2023

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: PJM K 1S 22/23 PV

Name of the group: Povinné p edm ty, 1.semestr, Project management, kombinovaná forma

Requirement credits in the group: In this group you have to gain at least 24 credits

Requirement courses in the group: In this group you have to complete at least 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	Controlling	Z,ZK	6	20B		Z
K16C1401	Innovation Marketing Tomáš Sadílek	Z,ZK	6	20B		Z
K16C1201	Project Management Petr Fanta	Z,ZK	6	20B		Z
K63C1301	Corporate Financial Management	Z,ZK	6	20B		Z

# Characteristics of the courses of this group of Study Plan: Code=PJM K 1S 22/23 PV Name=Povinné p edm ty, 1.semestr, Project management, kombinovaná forma

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	e 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 financin	g ontions. The base is in a complex planning and predicting the future. A significant area is dedicated to all stages of the inves	tment process				

Code of the group: PJM K 2S 22/23 PV

Name of the group: Povinné p edm ty, 2. semestr, Project management, kombinovaná forma

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

Requirement courses in the group: In this group you have to complete at least 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	Financial Law	ZK	3	12B		Z
K63C2201	Macroeconomic Theory	ZK	3	24B	L	Z
K16E2202	Project Technology Management	ZK	6	20B		Z

K63C1102	Statistical Analysis	Z,ZK	6	32B		Z
Characteristics	s of the courses of this group of Study Plan: Code=PJM	K 2S 22/23 PV Name=Pov	inné p ed	lm ty, 2.	semestr, F	Project
management, l	kombinovaná forma					
K63C2302	Financial Law				ZK	3
K63C2201	Macroeconomic Theory				ZK	3
K16E2202	Project Technology Management				ZK	6
echnology project	management means not only decisions about one's own technological resear	ch, innovative cooperation, or techno	ology transfe	r. Technolog	gical innovation	s, especia
•	long tied up company resources, and poor decisions can pose significant finar					
•	nd commercial activities of technology management in a more comprehensive	57. 7		~		
	nal structure and budget. After completing the course, students should answer					
	management with a focus on the analysis of technological trends, risks, and perment to the development of the product, production, and service technological trends.	• •	٠.		•	
•	y of the company. Explain creating a project plan for implementing new techn	•	•		•	
0. 0.	eed to commercialize their own technologies at the level of industry, region, o		necessary pr	OLCCLION OF	toorinologicari	ritolicotaai
K63C1102	Statistical Analysis			7	Z,ZK	6
	,				,	
and of the	group: PJM K 3S 22/23 PV					
	•		la (.a. aa			
	e group: Povinné p edm ty, 3. semestr, Proje	•		na torm	ıa,	
Requiremer	nt credits in the group: In this group you have	to gain at least 21 cr	edits			
Reauiremer	nt courses in the group: In this group you hav	e to complete at leas	t 5 cou	ses		
•	ne group: 21	- 10 00p.010 01.100.0				
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Note on the	•					
	Name of the course / Name of the group of cou					_
<b>^</b>	(in case of groups of courses the list of codes	of their Completion	Credite	Scono	Semester	Dala
Code	members)	Completion	Credits	Scope	Semester	Role
Code	members) Tutors, authors and guarantors (gar.)	Completion	Oreans	эсоре	Semester	Kole

itote on the grou	Name of the course / Name of the group of courses					
Code	(in case of groups of courses the list of codes of their members)  Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
K63C3201	Macroeconomic Theory	ZK	3	24B		Z
32MC-K-MACT-01	Macroeconomic Theory	ZK	3	24B		Z
32MC-K-PJDP-01	Diploma Thesis Project Petr Vym tal Petr Vym tal (Gar.)	Z	0	2B		Z
K00C3101	Diploma Thesis Project Petr Vym tal	Z	0	2B		Z
K16C3103	Decision Analysis	Z,ZK	6	20B	Z	Z
32MC-K-ROAN-01	Decision Analysis	Z,ZK	6	20B		Z
K16C3102	Innovation Management and Innovation Project Tomáš Sadílek	Z,ZK	6	20B		Z
32MC-K-RIIP-01	Innovation Management and Innovation Project Tomáš Sadílek	Z,ZK	6	20B		Z
32MC-K-STRR-01	Strategic Management Št pán Chalupa, Tomáš Sadílek, Vladimíra Šilhánková Tomáš Sadílek (Gar.)	Z,ZK	6	20B		Z
K16C3101	Strategic Management	Z,ZK	6	20B		Z

Characteristics of the courses of this group of Study Plan: Code=PJM K 3S 22/23 PV Name=Povinné p edm ty, 3. semestr, Project management, kombinovaná forma,

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K63C3201	Macroeconomic Theory	ZK	3
32MC-K-MACT-0	Macroeconomic Theory	ZK	3
32MC-K-PJDP-01	Diploma Thesis Project	Z	0
K00C3101	Diploma Thesis Project	Z	0
K16C3103	Decision Analysis	Z,ZK	6
32MC-K-ROAN-0	Decision Analysis	Z,ZK	6
The aim of the subject	Decision Analysis is to acquaint students with the basic methods of decision-making in technical and economic, to use appro	priate tools within	decision-makinç
processes.			
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	n, product innovation	on, service
innovation, macroecon	omic view of the role of innovation, organizational security and innovation management, soft methods and innovative techniqu	ues, systematic-an	alytical method
and innovative techniq	ues, economic aspects of innovation, intellectual property of innovation and legal aspects.		
32MC-K-RIIP-01	Innovation Management and Innovation Project	Z,ZK	6
32MC-K-STRR-0°	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 planni	ng 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 studie	es from practice wil	I be used. In the
center of attention are	questions of competitiveness, competitive advantages, changes in the configuration of business processes and their influenc	e on the process c	of integration of

Code of the group: PJM K 4S 22/23 PV

Strategic Management

the Czech economy and Czech companies into global trade.

K16C3101

Z,ZK

6

Name of the group: Povinné p edm ty, 4. semestr, Project management, kombinovaná forma,

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

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

Credits in the group: 18

Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
32MC-K-DIPR-01	Diploma Thesis	Z	12			Z
K00C4102	Diploma Thesis Petr Vym tal	Z	12			Z
32MC-K-PRIS-01	Designing of Information Systems	Z,ZK	6	20B		Z
K63C4401	Project of Information System	Z,ZK	6	20B	L	Z

Characteristics of the courses of this group of Study Plan: Code=PJM K 4S 22/23 PV Name=Povinné p edm ty, 4. semestr, Project management, kombinovaná forma,

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32MC-K-DIPR-01	Diploma Thesis	Z	12				
K00C4102	Diploma Thesis	Z	12				
32MC-K-PRIS-01	Designing of Information Systems	Z,ZK	6				
Fundamental terms, info	ormation systems architecture, basic types of software applications for information system of enterprise, information system li	ecycle, approach	es to information				
system development, m	rstem development, management information systems, web audit, business process modeling using BPMN, UML and others, information system modeling - UML and data modeling						
using ER diagrams							
K63C4401	Project of Information System	7 7K	6				

Name of the block: Povinné p edm ty zam ení Minimal number of credits of the block: 18

The role of the block: PZ

Code of the group: PJM K 22/23 SP

Name of the group: Specializa ní p edm ty, Project management, kombinovaná forma 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
K16E0201	Agile Bootcamp Dagmar Skokanová	KZ	3	24B		PZ
32ME-K-AGBC-01	Agile BootCamp Petra Jílková, Dagmar Skokanová, Petr Fanta, Pavel Mužík Pavel Mužík Petra Jílková (Gar.)	KZ	3	24B		PZ
K16E2201	Modern Approaches in Project Management	Z,ZK	6	20B		PZ
32ME-K-SCOM-01	Social Competences in Project and Process Management Petr Fanta	Z	3	12B		PZ
K16E0501	Social Competences in Project and Process Management Petr Fanta	Z	3	12B		PZ
K16E1201	Standards of Project Management Petr Fanta	Z,ZK	6	20B		PZ

# Characteristics of the courses of this group of Study Plan: Code=PJM K 22/23 SP Name=Specializa ní p edm ty, Project management, kombinovaná forma

K16E0201	Agile Bootcamp	KZ	3
Agile Bootcamp course	teaches students the fundamentals of Design Thinking and other agile innovation principles. The course introduces three met	hods that work we	Il together within
the same cross-function	al team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will offer the right tools and techniques fo	or the design and	implementation
of Design Sprints, include	ding a practical test of the entire process.		
32ME-K-AGBC-01	Agile BootCamp	KZ	3
Agile Bootcamp course	teaches students the fundamentals of Design Thinking and other agile innovation principles. The course introduces three met	hods that work we	Il together within
the same cross-function	al team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will offer the right tools and techniques for	or the design and	implementation
of Design Sprints, include	ding a practical test of the entire process.		
K16E2201	Modern Approaches in Project Management	Z,ZK	6
32ME-K-SCOM-01	Social Competences in Project and Process Management	Z	3

The course is focused on the development of skills in managing projects, processes, and people in the organization.

K16E0501 Social Competences in Project and Process Management 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.

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 K 22/23 PVP

Name of the group: Povinn volitelné p edm ty, Project management, kombinovaná forma

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

Requirement courses in the group:

Credits in the group: 12 Note on the group.

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
K16C0101	Balanced Scorecard	Z,ZK	6	20B		PV
32MC-K-HOPO-01	Economic Policy Jan Mládek Jan Mládek (Gar.)	Z,ZK	3	10B		PV
32ME-K-MINE-01	Management in International Environment Vincent Blaise Montenero Vincent Blaise Montenero Vincent Blaise Montenero (Gar.)	Z,ZK	3	10B		PV
K63C0301	Valuation of Firm and Projects	Z,ZK	6	20B		PV
K66C0101	Reflections of Technical Innovations in Culture Kate ina Tomešková	ZK	3	12B		PV
32MC-K-OTIK-01	Reflections of Technical Innovations in Culture Kate ina Tomešková Kate ina Tomešková (Gar.)	ZK	3	10B		PV
32MC-K-IND4-01	Industry 4.0  Jan Mládek Jan Mládek (Gar.)	Z,ZK	3	10B		PV
K65C0103	Public Relations	Z,ZK	3	12B		PV
32MC-K-PBRL-01	Public Relations	Z,ZK	3	10B		PV

Characteristics of the courses of this group of Study Plan: Code=PJM K 22/23 PVP Name=Povinn volitelné p edm ty, Project

K16C0101	Balanced Scorecard	Z,ZK	6
32MC-K-HOPO-01	Economic Policy	Z,ZK	3
The subject builds on th	e knowledge acquired in basic courses on economics. It introduces students to the system of economic policies as they are	applied in the Czecl	h Republic, the
European Union and the	e world. They will thus gain knowledge about a wide range of economic policies implemented in the Czech Republic and in	the European Union,	from the
perspective of theory ar	d practice, politics and economics.		
32ME-K-MINE-01	Management in International Environment	Z,ZK	3
Go through several situa	ations facing a new manager		
K63C0301	Valuation of Firm and Projects	Z,ZK	6
K66C0101	Reflections of Technical Innovations in Culture	ZK	3
32MC-K-OTIK-01	Reflections of Technical Innovations in Culture	ZK	3
The course is intended	or students of the Master's study program Project Management of Innovations. The teaching is aimed at gaining a wide rai	nge of knowledge from	m the field of
innovation processes, for	r the understanding and internalization of which a deep understanding of the connections between science and culture is	an absolutely key.	
32MC-K-IND4-01	Industry 4.0	Z,ZK	3
I. Annotation The subject	t "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals	als with the history o	f industrial
revolutions, current tren	ds as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0"	on the economy and	d society as a
whole. Last but not leas	t, it deals with the role of the state in the creation of economic and industrial policy, the need for which is generated by "Ind	ustry 4.0".	
K65C0103	Public Relations	Z,ZK	3
32MC-K-PBRL-01	Public Relations	Z,ZK	3

Code of the group: PJM K 22/23 PVT

Name of the group: Povinn volitelné technické p edm ty, Project management, kombinovaná forma,

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
K77C0007	Communication Systems and Networks  Dušan Maga	ZK	3	12B		PV
32MC-K-KSYS-01	Communication Systems and Networks Dušan Maga Dušan Maga Dušan Maga (Gar.)	ZK	3	10B		PV
32MC-K-PRDO-01	Transportation Engineering Projects Helena Bínová Helena Bínová Helena Bínová (Gar.)	ZK	3	10B		PV
K77C0003	Transportation Engineering Projects Helena Bínová	ZK	3	12B		PV
K51C0401		Z	3	12B		PV
K77C0004	Smart Cities Technologies	ZK	3	12B		PV
32MC-K-TSMC-01	Smart Cities Technologies	ZK	3	10B		PV
32MC-K-ZRIB-01	Information Security Management and Implementation	ZK	3	12B		PV
K77C0009	Information Security Management and Implementation	ZK	3	12B		PV

Characteristics of the courses of this group of Study Plan: Code=PJM K 22/23 PVT Name=Povinn volitelné technické p edm ty, Project management, kombinovaná forma,

K77C0007	Communication Systems and Networks	ZK	3
32MC-K-KSYS-01	Communication Systems and Networks	ZK	3
32MC-K-PRDO-01	Transportation Engineering Projects	ZK	3
K77C0003	Transportation Engineering Projects	ZK	3
K51C0401		Z	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			
32MC-K-TSMC-01	Smart Cities Technologies	ZK	3
he 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.			
32MC-K-ZRIB-01	Information Security Management and Implementation	ZK	3
K77C0009	Information Security Management and Implementation	ZK	3

### List of courses of this pass:

Completion Credits

Name of the course

Code

32MC-K-DIPR-01	Diploma Thesis	Z	12
32MC-KHOPO01	Economic Policy	Z,ZK	3
The subject builds of	on the knowledge acquired in basic courses on economics. It introduces students to the system of economic policies as they are appli	ied in the Czech R	epublic, the
European Union	and the world. They will thus gain knowledge about a wide range of economic policies implemented in the Czech Republic and in the	European Union,	from the
	perspective of theory and practice, politics and economics.		
32MC-K-IND4-01	Industry 4.0	Z,ZK	3
I. Annotation The	subject "Industry 4.0" deals with the topic of the fourth industrial revolution, explains concepts, terms and trends in this area. It deals	with the history of	industrial
	trends as well as individual technological breakthroughs that are typical for Industry 4.0. It analyzes the effects of "Industry 4.0" on the 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	•	ociety as a
32MCK-KSYS-01	Communication Systems and Networks	ZK	3
32MC-K-MACT01	Macroeconomic Theory	ZK	3
32MC-K-OTIK-01	Reflections of Technical Innovations in Culture	ZK	3
The course is inter	nded for students of the Master's study program Project Management of Innovations. The teaching is aimed at gaining a wide range of	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 k	еу.
32MC-K-PBRL-01	Public Relations	Z,ZK	3
32MC-K-PJDP-01	Diploma Thesis Project	Z	0
32MCK-PRDO01	Transportation Engineering Projects	ZK	3
32MC-K-PRIS-01	Designing of Information Systems	Z,ZK	6
Fundamental terms	, information systems architecture, basic types of software applications for information system of enterprise, information system lifecy	cle, approaches to	information
system developmen	nt, management information systems, web audit, business process modeling using BPMN, UML and others, information system mode	eling - UML and da	ta modeling
	using ER diagrams		
32MC-K-RIIP-01	Innovation Management and Innovation Project	Z,ZK	6
32MC-K-ROAN+01	Decision Analysis	Z,ZK	6
The aim of the subject	ect Decision Analysis is to acquaint students with the basic methods of decision-making in technical and economic, to use appropriat	e tools within decis	sion-making
	processes.		
32MC-K-STRR-01	Strategic Management	Z,ZK	6
•	ed on strategic planning and management, including the necessary contexts and links, as one of the main tools for long-term planning a		•
as a whole or part of	of it (enterprise or institution of any type or even municipality, region or state). As part of teaching the subject, relevant case studies fro	m 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 of the Czech economy and Czech companies into global trade.	n the process of in	tegration of
32MC-K-TSMC-01 he subject Technolo	Smart Cities Technologies gy for smart cities introduces students to the cross-cutting issues of smart cities, the preparation of the Smart City concept and its plan	ZK Ining procedure an	3 ad indicators
32MC-K-ZRIB-01	Information Security Management and Implementation	ZK	3
32ME-K-AGBC-01	Agile BootCamp	KZ	3
	urse teaches students the fundamentals of Design Thinking and other agile innovation principles. The course introduces three method:	າ s that work well toឲຸ	gether withi
the same cross-fun	ctional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will offer the right tools and techniques for the of Design Sprints, including a practical test of the entire process.	ne design and imp	lementatior
32ME-K-MINE-01	Management in International Environment Go through several situations facing a new manager	Z,ZK	3
32ME-K-SCOM-01	Social Competences in Project and Process Management	Z	3
	The course is focused on the development of skills in managing projects, processes, and people in the organization.	_	
K00C3101	Diploma Thesis Project	Z	0
K00C4102	Diploma Thesis	Z	12
K16C0101	Balanced Scorecard	Z,ZK	6
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
	vation, assumptions and barriers to innovation, sources of innovation, strategic considerations about innovation, process innovation,		
innovation, macroed	conomic view of the role of innovation, organizational security and innovation management, soft methods and innovative techniques, and innovative techniques, economic aspects of innovation, intellectual property of innovation and legal aspects.	systematic-analyti	cai metnod
K16C3103	Decision Analysis	Z,ZK	6
K16E0201	Agile Bootcamp	KZ	3
	rse teaches students the fundamentals of Design Thinking and other agile innovation principles. The course introduces three method:	l	_
-	ctional team: Design Thinking, Lean Startup and Agile across teams. In the main part, it will offer the right tools and techniques for the		-
	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 acquai	nts students with good experience in the field of standards of project management After completing the course, students will be preprofessional examinations.	pared to pass the i	nternationa
K16E2201	Modern Approaches in Project Management	Z,ZK	6
K16E2202	Project Technology Management	ZK	6
	management means not only decisions about one's own technological research, innovative cooperation, or technology transfer. Technology	•	
•	ong tied up company resources, and poor decisions can pose significant financial problems for most companies. Therefore, it is necessing the companies of the c	=	
•	d commercial activities of technology management in a more comprehensive form. Technology project management is more goal-or		
	nal structure and budget. After completing the course, students should answer the following framework topics: define the nature, imp management with a focus on the analysis of technological trends, risks, and opportunities, innovation radar, and technology assessr	=	
	ement to the development of the product, production, and service technologies. Characterize the process of technological forecasts,		
	y of the company. Explain creating a project plan for implementing new technology. Clarify the importance of the necessary protection property and the need to commercialize their own technologies at the level of industry, region, or state.		
K51C0401		Z	3
K63C0301	Valuation of Firm and Projects	Z,ZK	6
K63C1102	Statistical Analysis	Z,ZK	6
K63C1301	Corporate Financial Management	Z,ZK	6
	es a comprehensive view of long-term development of the company in terms of financial planning and management. It assumes a kr		_
•	erm financing options. The base is in a complex planning and predicting the future. A significant area is dedicated to all stages of the	-	-
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
	ogy for smart cities introduces students to the cross-cutting issues of smart cities, the preparation of the Smart City concept and its plan		_
K77C0007	Communication Systems and Natworks	7K	3

For updated information see <a href="http://bilakniha.cvut.cz/en/FF.html">http://bilakniha.cvut.cz/en/FF.html</a> Generated: day 2025-10-25, time 13:21.

K77C0007

K77C0009

Communication Systems and Networks

Information Security Management and Implementation

ZK

ZK