#### Study plan

#### Name of study plan: Stavitelství - p íprava, realizace a provoz staveb

Faculty/Institute/Others:

Department:

Branch of study guaranteed by the department: Welcome page

Garantor of the study branch:

Program of study: Construction Engineering - Planning, Implementation and Operation of Structures

Type of study: Follow-up master full-time

Required credits: 90
Elective courses credits: 0
Sum of credits in the plan: 90

Note on the plan: platí pro nástup od akad. roku 2023/24

Name of the block: Compulsory courses Minimal number of credits of the block: 79

The role of the block: Z

Code of the group: NR20230100

Name of the group: Stavitelství - p íprava, realizace a provoz staveb, 1. semestr Requirement credits in the group: In this group you have to gain at least 19 credits

Requirement courses in the group: In this group you have to complete at least 3 courses

Credits in the group: 19 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
122KVAS	Quaility in Construction Linda Veselá, Pavel Svoboda Pavel Svoboda Linda Veselá (Gar.)	Z,ZK	7	3P+2C	Z	Z
122PRPV	Use of Computers for Planing and Management of Projects Rostislav Šulc, Tomáš Váchal, Vja eslav Usmanov, Michal Ková ík Tomáš Váchal Rostislav Šulc (Gar.)	Z,ZK	7	3P+3C	Z	Z
210DIIK	Diagnostics of Engineering Structures Ji í Litoš, Jan Zatloukal, Martin Jonáš, Petr Konvalinka, Radoslav Sovják <b>Ji í</b> Litoš, Ji í Litoš (Gar.)	Z,ZK	5	2P+2C	Z,L	Z

## Characteristics of the courses of this group of Study Plan: Code=NR20230100 Name=StaviteIství - p íprava, realizace a provoz staveb, 1. semestr

122KVAS	Quaility in Construction	Z,ZK	7
122PRPV	Use of Computers for Planing and Management of Projects	Z,ZK	7
210DIIK	Diagnostics of Engineering Structures	Z,ZK	5

The course aims to introduce diagnostics of civil engineering structures, mechanical, thermal, hygric, chemical and others influences of genesis of failure of civil engineering structures, specifically on engineering structures (bridges, footbridges, halls etc.). During the course students will introduce with behavior of engineering structures, structural and material failures, testing devices for diagnostics and data evaluation.

Code of the group: NR20230200

Name of the group: Stavitelství - p íprava, realizace a provoz staveb, 2. semestr Requirement credits in the group: In this group you have to gain at least 30 credits

Requirement courses in the group: In this group you have to complete at least 6 courses

Credits in the group: 30

Note on the group: Pro zápis předmětu Projekt - 122PRJL je nutné v průběhu magisterského nebo předchozího

bakalářského studia absolvovat kombinaci předmětů Provozování a správa budov - 122PSBL nebo Řízení správy, provozu a údržby budov - 122RPSB a Inženýrské činnosti pro pozemní stavby - 122ICPS

nebo Inženýrské činnosti pro pozemní stavby - 122ICPP.

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
122BOZF	Health and Safety Management in Construction Company and on Building Site Pavel Svoboda, Tomáš Váchal Tomáš Váchal Pavel Svoboda (Gar.)	Z,ZK	7	4P+2C	L	Z
122PRJL	Project Design Tomáš Váchal, Pavel Neumann, en k Jarský en k Jarský (Gar.)	KZ	5	4C	L	Z
122SPTC	Robot Control and Special Technology  Vja eslav Usmanov, Michal Ková ik Vja eslav Usmanov (Gar.)	Z,ZK	4	2P+2C	L	Z
122TEPR	Construction Technology Design Vit Kosina, Matouš Kosina Vit Kosina Vit Kosina (Gar.)	Z,ZK	5	2P+2C	L	Z
126FRIN	Financial Management, Capital Investment and Insurance Eduard Hromada, Božena Kade ábková	Z,ZK	4	2P+2C	L	Z
134NKPS	Design of structures during construction process B etislav Židlický, Karel Šeps, Martin Tipka B etislav Židlický B etislav Židlický (Gar.)	Z,ZK	5	2P+2C	L	Z

### Characteristics of the courses of this group of Study Plan: Code=NR20230200 Name=StaviteIství - p íprava, realizace a provoz staveb, 2. semestr

122BOZF	Health and Safety Management in Construction Company and on Building Site	Z,ZK	7				
The aim of the course is to acquaint students with the performance of the health and safety coordinator (hereinafter in the Health and Safety Department) in the preparatory and							
implementation phase of	of construction, operation on the construction site in the role of coordination of safe work and workplace. The main goal is to t	rain the developn	nent of a health				
and safety plan for a sp	ecific building and its updating and problem solving on examples. Sm.92 / 57 / EHS, introduction of KOO OSH in the Czech F	Republic, nomeno	lature, content				
and compilation of OSH	plan according to Act No. 309/2006 Coll. elaboration of individual types of project documentation, application in practice, vie	w of OIP on KOC	BOZP, BOZP				
plan - Excel; software re	elated to the issue; statutory activities of KOO BOZP, photographs of good and bad practice from constructions Practical expe	erience from tend	ers for the				
determination of KOO E	OZP, remuneration of KOO BOZP and its insurance; conditions for Special Risks and Constructions. Within the exercise, the	aim of the course	e is to develop a				
health and safety plan for	or a specific construction and understand the need to coordinate safe work on construction sites and identify all possible healt	h and safety defic	iencies and risks				
on a specific construction	on; check that all risks on the construction site have been described and assessed; to get acquainted with the activities of KC	O BOZP on the o	onstruction site.				
122PRJL	Project Design	KZ	5				
Assessment of submitte	d project documentation (for building permits) and its possible additions, solution of the spatial, technological and time struct	ture of the comple	x construction				
process of the event, in	cluding the processing of the inspection and test plan, environmental plan and health and safety plan, construction site equip	ment design, tec	hnological work				
procedure (production r	egulations) 2 of selected important processes, accompanying technical report with commentary on the solution.						
122SPTC	Robot Control and Special Technology	Z,ZK	4				
122TEPR	Construction Technology Design	Z,ZK	5				
126FRIN	Financial Management, Capital Investment and Insurance	Z,ZK	4				
Financial strategies and	objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the compa	any, decision mak	ing about				
investments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.							
134NKPS	Design of structures during construction process	Z,ZK	5				
Deepening of knowledge in the field of steel and concrete structures with respect to the construction method. Advanced design of steel structures - lateral and torsional stability of							
beams, global analysis	of structures, scaffold, technological structures; cable and membrane structures. Advanced design of concrete structure with	respect to the ted	chnology during				
construction.							

Code of the group: NR20230300

Name of the group: Stavitelství - p íprava, realizace a provoz staveb, 3. semestr Requirement credits in the group: In this group you have to gain at least 30 credits

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

Credits in the group: 30 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
122ROPM	Guided Professional Practice Rostislav Šulc, Tomáš Váchal Rostislav Šulc Rostislav Šulc (Gar.)	Z	4	8C	Z	Z
122DPST	Diploma Thesis Linda Veselá, Pavel Svoboda, Rostislav Šulc, Tomáš Váchal, Michal Ková ík, Pavel Neumann, en k Jarský, Vít Kosina, Karel Polák, Tomáš Váchal Tomáš Váchal (Gar.)	Z	26	16C	Z	Z

### Characteristics of the courses of this group of Study Plan: Code=NR20230300 Name=StaviteIství - p íprava, realizace a provoz staveb, 3. semestr

122ROPM	Guided Professional Practice	Z	4
122DPST	Diploma Thesis	Z	26

Name of the block: Compulsory elective courses

Minimal number of credits of the block: 6

The role of the block: S

Code of the group: NR20230100\_2

Name of the group: Stavitelství - p íprava, realizace a provoz staveb, PV p edm ty - oborový

Requirement credits in the group: In this group you have to gain at least 4 credits

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

Credits in the group: 4 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
124PS4C	Building Structures 4 Vladimír Ž ára, Hana Gattermayerová, Tomáš ejka, Ctislav Fiala Vladimír Ž ára Vladimír Ž ára (Gar.)	Z,ZK	4	2P+2C	Z	S
136TPPK	Realization Technologies for Road Structures  Jan Valentin, Petr Mondschein Jan Valentin Jan Valentin (Gar.)	Z,ZK	4	2P+2C	Z	S
142PMRV	Operation, Modernisation and Reconstruction of Water Structures  Karel K íž, Pavel Fošumpaur, Tomáš Dally Pavel Fošumpaur Pavel Fošumpaur (Gar.)	Z,ZK	4	2P+2C	Z	S
125TTZB	Technical and Technological Equipment of Buildings Michal Kabrhel, Ilona Koubková Michal Kabrhel Michal Kabrhel (Gar.)	Z,ZK	4	2P+2C	Z	S
128OVMT	Operations Research and Mathematical Models in Technology Jana Ku erová Jana Ku erová Jana Ku erová (Gar.)	Z,ZK	4	2P+2C	Z	S

## Characteristics of the courses of this group of Study Plan: Code=NR20230100\_2 Name=Stavitelství - p íprava, realizace a provoz staveb, PV p edm ty - oborový

124PS4C	Building Structures 4	Z,ZK	4		
136TPPK	Realization Technologies for Road Structures	Z,ZK	4		
The 136TPPK course is an extension course for students who have chosen to focus on transport structures within the specialization "Civil Engineering - preparation, erection and					
operation of buildings'	or who want to deepen their knowledge in this area. The course in the field of technologies and technical solutions of road struc	tures allows to obt	tain an extension		
of previously acquired	knowledge and introduces students to other technologies of road construction. The student will be introduced to key technologies	gies for asphalt pa	avements, CB		
pavements, paved par	rements and bridge pavements.				
142PMRV	Operation, Modernisation and Reconstruction of Water Structures	Z,ZK	4		
125TTZB	Technical and Technological Equipment of Buildings	Z,ZK	4		
The subject deals with	systems of technical equipment of buildings - water supply, gas supply, sewage, heating, ventilation and cooling. Individual sy	stems are describ	bed and their		
properties and metho	ds of use are discussed. Important technological units found in buildings are also addressed in the lesson.				
128OVMT	Operations Research and Mathematical Models in Technology	Z,ZK	4		
An introduction to opti	mization methodologies with the emphasis on linear optimization, stochastic modelling and multiple criteria optimization includes	ling algorithms an	d computations.		
Applications will be in	roduced as appropriate in seminars.				

Code of the group: NR20230100\_3

Name of the group: Stavitelství - p íprava, realizace a provoz staveb, PV p edm ty - technologie

Requirement credits in the group: In this group you have to gain at least 2 credits

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

Credits in the group: 2

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
122YTSD	Technology of Component Production Rostislav Šulc Rostislav Šulc (Gar.)	Z	2	1P+1C	Z,L	S
122YTEE	Technology of Ecological Projects  Michal Ková ík Michal Ková ík Michal Ková ík (Gar.)	Z	2	1P+1C	Z	S
122YTRH	Technology of recostructions of historical buildings Pavel Svoboda, Pavel Neumann, Ladislav Valtr Pavel Svoboda Pavel Neumann (Gar.)	Z	2	1P+1C	Z	S
123YTVM	Production technology of building materials  Dana Ko áková, Eva Vejmelková, Vojt ch Pommer, Martin Böhm Eva  Vejmelková Eva Vejmelková (Gar.)	Z	2	1P+1C	Z	S
126YMIS	Managerial Information Systems Lucie Brožová, Petr Kal ev Petr Kal ev Petr Kal ev (Gar.)	Z	2	2C	Z	S
134YPDK	Additional Timber and Metal Structures  Jakub Dolejš Jakub Dolejš Jakub Dolejš (Gar.)	Z	2	1P+1C	Z	S

### Characteristics of the courses of this group of Study Plan: Code=NR20230100\_3 Name=Stavitelství - p íprava, realizace a provoz staveb, PV p edm ty - technologie

122YTSD	Technology of Component Production	Z	2
122YTEE	Technology of Ecological Projects	Z	2

122YTRH	Technology of recostructions of historical buildings	Z	2				
123YTVM	Production technology of building materials	Z	2				
Basic building materials	Basic building materials, different types of the production technology, energy consumption of the production, storage and transport, safety at work.						
126YMIS	Managerial Information Systems	Z	2				
Enterprise IS architectu	e, internal and external information sources to support managerial decision-making - Business Intelligence, information strategy	of the enterprise,	IS effectiveness,				
structure and function of	f managerial IS, multidimensional database and OLAP technology, procedure for building and implementing managerial IS, pu	ractical demonstra	ation of Business				
Navigation System app	lications and the COGNOS system in construction companies, knowledge management and knowledge base to support stra	tegic managemer	nt, Competitive				
Intelligence.							
134YPDK	Additional Timber and Metal Structures	Z	2				
Subject provides basic information regarding to design and application of supporting, working and industrial scaffolding systems. It is focused especially on design rules in accordance							
with European codes and on modelling of structures.							

Name of the block: Povinn volitelné p edm ty, doporu ení S3

Minimal number of credits of the block: 5

The role of the block: S3

Code of the group: NR20230100\_1

Name of the group: Stavitelství - p íprava, realizace a provoz staveb, PV p edm ty - dle bc. studia

Requirement credits in the group: In this group you have to gain at least 5 credits

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

Credits in the group: 5

Note on the group:

volitelný předmět dle bc. studia

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
122ICPP	Engineering Activities for Building Construction Tomáš Váchal Tomáš Váchal (Gar.)	Z,ZK	5	2P+2C	Z	S3
122RPSB	Management of Administration, Operation and Maintenance of Buildings  Pavel Neumann, Ond ej Štrup, Stanislav Smugala, Martin Václavík Ond ej Štrup Ond ej Štrup (Gar.)	Z,ZK	5	2P+2C	Z	S3

# Characteristics of the courses of this group of Study Plan: Code=NR20230100\_1 Name=StaviteIství - p íprava, realizace a provoz staveb, PV p edm ty - dle bc. studia

122ICPP	Engineering Activities for Building Construction	Z,ZK	5				
Basic regulations, cond	Basic regulations, concepts according to legal regulations, flow diagram of the preparation and authorization of the contract Building Act - performance of public administration and						
spatial planning Buildin	spatial planning Building Act - building regulations Implementing legislation to the Building Act - design phase Implementing legislation to the Building Act - permit process Implementing						
legislation to the Constr	legislation to the Construction Act - construction Roads Act - basic provisions and special use - implementation process Rights and obligations of the client, builder, contractual relationship						
in variants Rights and obligations of the designer, contractual relationship in variants Air Protection Act, Waste Act and Nature and Landscape Protection Act - permit process Law on							
the protection of agricultural land fund, law on forests and water law - permit process Act on State Monument Care and Act on Environmental Impact Assessment - permit process Civil							
Code - contract							
122RPSB	Management of Administration, Operation and Maintenance of Buildings	Z,ZK	5				

#### List of courses of this pass:

Code	Name of the course	Completion	Credits		
122BOZF	Health and Safety Management in Construction Company and on Building Site	Z,ZK	7		
The aim of the c	The aim of the course is to acquaint students with the performance of the health and safety coordinator (hereinafter in the Health and Safety Department) in the preparatory and				
implementation ph	implementation phase of construction, operation on the construction site in the role of coordination of safe work and workplace. The main goal is to train the development of a health				
and safety plan fo	and safety plan for a specific building and its updating and problem solving on examples. Sm.92 / 57 / EHS, introduction of KOO OSH in the Czech Republic, nomenclature, content				
and compilation o	f OSH plan according to Act No. 309/2006 Coll. elaboration of individual types of project documentation, application in practice, view	of OIP on KOO BO	ZP, BOZP		
plan - Excel; sof	tware related to the issue; statutory activities of KOO BOZP, photographs of good and bad practice from constructions Practical expe	rience from tender	s for the		
determination of K	OO BOZP, remuneration of KOO BOZP and its insurance; conditions for Special Risks and Constructions. Within the exercise, the ain	n of the course is to	o develop a		
health and safety p	health and safety plan for a specific construction and understand the need to coordinate safe work on construction sites and identify all possible health and safety deficiencies and risks				
on a specific construction; check that all risks on the construction site have been described and assessed; to get acquainted with the activities of KOO BOZP on the construction site.					
122DPST	Diploma Thesis	Z	26		
122ICPP	Engineering Activities for Building Construction	Z,ZK	5		

Basic regulations, concepts according to legal regulations, flow diagram of the preparation and authorization of the contract Building Act - performance of public administration and spatial planning Building Act - building regulations Implementing legislation to the Building Act - design phase Implementing legislation to the Building Act - permit process Implementing legislation to the Construction Act - construction Roads Act - basic provisions and special use - implementation process Rights and obligations of the client, builder, contractual relationship in variants Rights and obligations of the designer, contractual relationship in variants Air Protection Act, Waste Act and Nature and Landscape Protection Act - permit process Law on the protection of agricultural land fund, law on forests and water law - permit process Act on State Monument Care and Act on Environmental Impact Assessment - permit process Civil Code - contract

122KVAS	Quaility in Construction	Z,ZK	7
122PRJL	Project Design	KZ	5
Assessment of su	bmitted project documentation (for building permits) and its possible additions, solution of the spatial, technological and time structure	of the complex of	onstruction
process of the eve	ent, including the processing of the inspection and test plan, environmental plan and health and safety plan, construction site equipment	-	logical work
	procedure (production regulations) 2 of selected important processes, accompanying technical report with commentary on the so		
122PRPV	Use of Computers for Planing and Management of Projects	Z,ZK	7
122ROPM	Guided Professional Practice	Z	4
122RPSB	Management of Administration, Operation and Maintenance of Buildings	Z,ZK	5
122SPTC	Robot Control and Special Technology	Z,ZK	4
122TEPR	Construction Technology Design	Z,ZK	5
122YTEE	Technology of Ecological Projects	Z	2
122YTRH	Technology of recostructions of historical buildings	Z	2
122YTSD	Technology of Component Production	Z	2
123YTVM	Production technology of building materials	Z	2
E	Basic building materials, different types of the production technology, energy consumption of the production, storage and transport, saf	ety at work.	1
124PS4C	Building Structures 4	Z,ZK	4
125TTZB	Technical and Technological Equipment of Buildings	Z,ZK	4
The subject deals	s with systems of technical equipment of buildings - water supply, gas supply, sewage, heating, ventilation and cooling. Individual systems	ems are describe	d and their
	properties and methods of use are discussed. Important technological units found in buildings are also addressed in the lesson		
	Financial Management Conital Investment and Income	Z,ZK	4
126FRIN	Financial Management, Capital Investment and Insurance		1 .
-	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.		1
Financial strate  126YMIS Enterprise IS archit	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.  Managerial Information Systems  tecture, internal and external information sources to support managerial decision-making - Business Intelligence, information strategy of the	ny, decision maki Z ne enterprise, IS e	ng about  2  ffectiveness,
Financial strate  126YMIS Enterprise IS architerstructure and funct	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.  Managerial Information Systems	ny, decision maki Z ne enterprise, IS e	ng about  2  Iffectiveness, of Business
Financial strate  126YMIS Enterprise IS architerstructure and funct	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.  Managerial Information Systems  tecture, internal and external information sources to support managerial decision-making - Business Intelligence, information strategy of the tion of managerial IS, multidimensional database and OLAP technology, procedure for building and implementing managerial IS, practic mapplications and the COGNOS system in construction companies, knowledge management and knowledge base to support strategical Intelligence.	ny, decision maki Z ne enterprise, IS e	ng about  2  Iffectiveness, of Business
Financial strate  126YMIS Enterprise IS archit structure and funct Navigation Syster  128OVMT	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.  Managerial Information Systems  tecture, internal and external information sources to support managerial decision-making - Business Intelligence, information strategy of the tion of managerial IS, multidimensional database and OLAP technology, procedure for building and implementing managerial IS, practic mapplications and the COGNOS system in construction companies, knowledge management and knowledge base to support strategi	Z ne enterprise, IS e cal demonstration c management, CZ,ZK	ng about  2  Iffectiveness, of Business Competitive
Financial strate  126YMIS Enterprise IS archit structure and funct Navigation Syster  128OVMT	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.  Managerial Information Systems  tecture, internal and external information sources to support managerial decision-making - Business Intelligence, information strategy of the tion of managerial IS, multidimensional database and OLAP technology, procedure for building and implementing managerial IS, practic mapplications and the COGNOS system in construction companies, knowledge management and knowledge base to support strategi Intelligence.  Operations Research and Mathematical Models in Technology optimization methodologies with the emphasis on linear optimization, stochastic modelling and multiple criteria optimization including and multiple criteria o	Z ne enterprise, IS e cal demonstration c management, CZ,ZK	ng about  2  Iffectiveness, of Business Competitive
Financial strate  126YMIS Enterprise IS archit structure and funct Navigation Syster  1280VMT An introduction to o	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.    Managerial Information Systems	z ny, decision maki Z ne enterprise, IS e cal demonstration c management, o Z,ZK algorithms and co Z,ZK eral and torsional	2  Iffectiveness, of Business Competitive  4  Iffectiveness, of Business Competitive  5  Stability of
Financial strate  126YMIS Enterprise IS archit structure and funct Navigation Syster  1280VMT An introduction to o	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.    Managerial Information Systems	z ny, decision maki Z ne enterprise, IS e cal demonstration c management, o Z,ZK algorithms and co Z,ZK eral and torsional	2 Iffectiveness, of Business Competitive 4 Imputations. 5 Stability of
Financial strate  126YMIS Enterprise IS archit structure and funct Navigation Syster  1280VMT An introduction to o	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.    Managerial Information Systems	z ny, decision maki Z ne enterprise, IS e cal demonstration c management, o Z,ZK algorithms and co Z,ZK eral and torsional	2 Iffectiveness, of Business Competitive 4 Imputations. 5 Stability of
Financial strate  126YMIS Enterprise IS archit structure and funct Navigation Syster  1280VMT An introduction to a  134NKPS Deepening of knobeams, global ana  134YPDK	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.    Managerial Information Systems	z ny, decision maki Z ne enterprise, IS e cal demonstration c management, Z,ZK algorithms and co Z,ZK eral and torsional pect to the technology	2 Iffectiveness, of Business Competitive 4 Description 4 Description 5 Stability of cology during 2
Financial strate  126YMIS Enterprise IS archit tructure and funct Navigation Syster  128OVMT An introduction to a  134NKPS Deepening of knopeams, global ana  134YPDK	egies and objectives, financial analysis, sources of financing and choice of optimal financial structure, investment activity of the comparinvestments, cash-flow investment project management, financial risks and their elimination, fundamentals of insurance.    Managerial Information Systems	z ny, decision maki Z ne enterprise, IS e cal demonstration c management, Z,ZK algorithms and co Z,ZK eral and torsional pect to the technology	2 Iffectiveness, of Business Competitive 4 Omputations. 5 stability of ology during
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