### Study plan

### Name of study plan: Management a ekonomika ve stavebnictví

Faculty/Institute/Others: Department: Branch of study guaranteed by the department: Welcome page Garantor of the study branch: Program of study: Management and Economics in Civil Engineering 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: 86 The role of the block: Z

Code of the group: NE20230100 Name of the group: Management a ekonomika ve stavebnictví, 1. 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 7 courses Credits in the group: 30 Note on the group:

Note on the group	J.					
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
126BIMM	BIM - Information modeling Robert Bouška, Vojt ch Starý, Josef Žák Robert Bouška Robert Bouška (Gar.)	Z,ZK	4	2P+2C	Z	Z
126FIMA	Financial Management Aleš Tomek, Martin ásenský, Radan Tomek Aleš Tomek Aleš Tomek (Gar.)	Z,ZK	5	2P+2C	z	Z
125SYB	Building Systems Karel Kabele, Jan Tywoniak Karel Kabele Karel Kabele (Gar.)	ZK	4	4P	Z	Z
1260CNE	Property Appraisal Renáta Schneiderová Heralová <b>Renáta Schneiderová Heralová</b> Renáta Schneiderová Heralová (Gar.)	Z,ZK	5	2P+2C	z	Z
126EKMA	Economics for Managers Ond ej Venhoda, Václav Tatýrek, Eduard Hromada Eduard Hromada Eduard Hromada (Gar.)	ZK	2	2P	z	Z
126PCON	Construction economics (prices, costs, costing) Renáta Schneiderová Heralová, Jaroslava Tománková, Lucie Brožová, Dana ápová Lucie Brožová Lucie Brožová (Gar.)	KZ	5	1P+3C	Z	Z
126PM1	Project Management 1 Michal Vondruška Michal Vondruška (Gar.)	Z,ZK	5	3P+1C	Z	Z

# Characteristics of the courses of this group of Study Plan: Code=NE20230100 Name=Management a ekonomika ve stavebnictví, 1. semestr

126BIMM **BIM** - Information modeling Z.ZK 4 Strudent are going to acquire skills and knowledge in the field of systems working with documents in digital form, their structure and the use of data within document management systems and common data environments. They will receive information regarding the digitization of processes and the awarding of contracts for design, construction and consulting work in the construction industry. In the context of digitization, they will acquire knowledge in the field of legislation (Cybernet Act and Act on Document Service, ZZVZ) and contractual FIDIC, Czech Contractual Standard and BIM Protocol. Graduates will gain knowledge about database systems, their architecture and use for construction project management, including options for choosing such systems in terms of technology, price and efficiency. Students will be introduced to tasks from practice using data and information systems to create measurement reports. certify buildings and monitor construction progress. The course is designed in such a way that students can obtain more detailed information from the field of information systems in construction companies, the current state of the use of digitization and their possibilities in construction projects. The acquired knowledge will enable the application of information technologies to engineering tasks. 126FIMA **Financial Management** Z,ZK 5 Advanced course in the financial management of a construction company - links to project finance and the system of intra-company economic management (centres). Corporate budgets as a tool for implementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forecast. Financial analysis and its application in a construction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial policies - optimal mix of debt and equity, financing of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard contract projects (domestic and international).

125SYB	Building Systems	ZK	4		
Multi-criteria analysis of	the requirements for the indoor environment and the function of the systems in different types of buildings and plants and op	timization criteria	for the design of		
energy and ecological b	uilding systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions	in different buildir	ig types in terms		
of indoor systems and b	puilding design. E.g. office buildings, residential buildings, halls, shopping centres, cultural centres, industrial buildings, sports	buildings, family	houses, passive		
etc. The audience will be	e introduced to the requirements for the indoor environment, the characteristic elements of energy and environmental building s	systems in relatior	to the structural		
design for the building t	ype.				
126OCNE	Property Appraisal	Z,ZK	5		
Basic terms from the pr	operty appraisal area. Property appraisal methods, purpose and utilization, appraisal theory. Cost method, method of compa	rison, method of r	eturns. Market		
value analysis - method	Is of final analysis of market value. Administrative price of real estates, property appraisal in banking, insurance industry, in b	usiness activities,	in property		
administration.					
126EKMA	Economics for Managers	ZK	2		
The subject explains the	e tools and procedures that can be used to understand the decision-making of consumers and companies in the market envi	ronment and to ur	nderstand the		
factors influencing the fe	ormation of macroeconomic variables and economic-political instruments for the correction of economic performance. The ai	m of the subject is	to understand		
the functioning of a sma	II open economy in a market environment. After successful graduation, students will be able to: - to understand how consumer	s make decisions	about consumer		
demand and companies	s about production volume and prices in a market economy, and how changes in economic variables affect the decisions of e	conomic entities,	<ul> <li>recognize risks</li> </ul>		
and ways of managing t	them and understand market failures and their solution options, - use economic theory and models to explain and predict the	behavior of econo	mic entities both		
in managerial decision-	making and at the macro level with an explanation of the specifics of the real estate market and the construction sector.				
126PCON	Construction economics (prices, costs, costing)	KZ	5		
Planning and controlling	with a focus on project controlling, getting acquainted with modern tools and managerial decision-making techniques that e	nable efficient ma	nagement of the		
construction company a	and independent solution of tasks on real projects using modern management tools (SW for cost, time and resource manage	ment).			
126PM1	Project Management 1	Z,ZK	5		
The subject is focused of	on important decision-making processes and management processes in the preparation and implementation of construction	from the perspect	ive of the owner		
of the construction project. The goal is to analyze the appropriateness of developer acquisition, project activity, legislative preparation, permitting processes, choice of supplier system,					
choice of supplier evalu	ation method, choice of contract form. The main attention will be paid to the comparison of the traditional construction delive	ry method (Desigr	າ Bid Build) with		
current alternative delivery systems (Design Build, Integrated Project Delivery, Construction Management). The teaching is supplemented by a number of case studies.					

#### Code of the group: NE20230200

Name of the group: Management a ekonomika ve stavebnictví, 2. semestr Requirement credits in the group: In this group you have to gain at least 26 credits Requirement courses in the group: In this group you have to complete at least 6 courses Credits in the group: 26

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
124PSE1	Building Structures 1E Ctislav Fiala, Jan R ži ka, Tomáš ejka <b>Ctislav Fiala</b> Ctislav Fiala (Gar.)	Z	4	3P	L	Z
126FAMG	Facility Management Daniel Macek Daniel Macek (Gar.)	Z,ZK	4	1P+3C	L	Z
126YEMB	Energy Management Jan Pojar, Ji í Karásek Ji í Karásek Ji í Karásek (Gar.)	Z,ZK	4	2P+2C	L	Z
126INZG	<b>Engineering</b> Václav Tatýrek, Dana M š anová <b>Václav Tatýrek</b> Dana M š anová (Gar.)	Z,ZK	5	2P+2C	Z,L	Z
126PM2	Project Management 2 Michal Vondruška Michal Vondruška (Gar.)	Z,ZK	5	3P+1C	L	Z
126DSP	<b>Diploma Seminar</b> Josef Žák, Aleš Tomek, Martin ásenský, Radan Tomek, Renáta Schneiderová Heralová, Václav Tatýrek, Eduard Hromada, Jaroslava Tománková, Lucie Brožová, <b>Renáta Schneiderová Heralová</b> Renáta Schneiderová Heralová (Gar.)	КZ	4	3C	L	Z

## Characteristics of the courses of this group of Study Plan: Code=NE20230200 Name=Management a ekonomika ve stavebnictví, 2. semestr

 124PSE1
 Building Structures 1E
 Z
 4

 Introduction and related legislation, construction technology, historical and modern construction systems, low-energy, passive and nZEB buildings in terms of requirements, basic
 principles and design methodology, material solutions, environmental aspects of the design, energy and water management. Structural systems of wooden buildings, foundation of
 wooden buildings, vertical and horizontal load-bearing structures of wooden buildings, roof construction, envelopes of buildings and roof envelopes, internal construction in terms of acoustics and the risk of summer overheating, basic details of wooden buildings. Modern completion construction envelopes of buildings and windows, overhanging structures, partitions and floors in terms of acoustics. Historical constructions material solutions for vertical and horizontal load-bearing structures, roof construction, building technical and historical exploration.

 Failures of masonry, concrete structures, ceiling and roofing structures and the possibilities of their rehabilitation. Examples of reconstruction and modernization of buildings. Sustainable construction principels, technical measures from the perspective of sustainable construction. Methods of complex assessment of building quality, SB Tool CZ. Processes in preparation and awarding construction contracts.

 126FAMG
 Facility Management
 Z,ZK
 4

 The aim of the course is to understand the issue of integrated facility management in the context of the currently valid standards
 SN EN 15221 and
 SN EN ISO 41001 - Facility

 management. Students will become familiar with the principles of efficient building operation, including the provision of support activities in the form of in-house and outsourcing. As
 part of the life cycle of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass application. Students will learn to

 work with the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building management and operation.

126YEMB	Energy Management	Z,ZK	4
The course on energy r	nanagement covers the issues of management in general, energy management, energy systems, and energy efficiency in th	e European legisl	ation framework.
The main target of the o	course is to explain basic principles and future changes in the construction industry, specifically in the field of energy efficience	y economics. The	e students will
increase their knowledg	e about strategies towards sustainable energy in buildings and mainly about energy efficiency. A specific part of the course i	s dedicated to the	evaluation of
energy efficiency meas	ures, supporting schemes for energy efficiency, tackling energy poverty, multi-criterial evaluation of projects, LCA (live cycle a	assessment) and	LCC (life cycle
cost), moreover the stu-	dents receive overview of the cost optimum calculation.		
126INZG	Engineering	Z,ZK	5
Conceptual and operati	onal management of development projects from perspective of time, resources, cost, analysis of resources, solution design,	external examination	tion, investment
opportunities study, fea	sibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law,	engineering contr	racts specimens,
VOB (Verdingungsordnu	Ing für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction	practice, contractu	ual determination
of performance and qua	lity parameters, contractual sanctions, time realistic plans, territorial, constructional governance, law no. 183/2006 Sb. fulfilme	nt, construction or	rder assignment,
investment engineering	, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological re	gulations, handov	/er proceedings
plan, test run operation	, parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, buildi	ng handover and	acceptance,
handover documentation	n, performance audit, decision processes and methods, invested energy. BIM. Documentation rules. Insolvency, Social respo	nsibility in constru	uction firms,
RIPRAN method.			
126PM2	Project Management 2	Z,ZK	5
The teaching of the sub	ect Project management 2 is focused on the acquisition of project management methods in the implementation of large-sca	le technological c	onstructions and
constructions of transpo	prt infrastructure. The curriculum is based on the classical theory of project management according to the PMBOK (Project N	lanagement Body	<pre>v of Knowledge)</pre>
and its application to th	e construction project management manuals of major construction companies (Best Practice). Detailed attention is paid to th	e main processes	s of project
management (scope, ti	me, cost, quality, human resources, risk and procurement management). The procedural management of construction projec	ts is supplemente	d by the current
issue of claims manage	ment and crisis management of construction projects.		
126DSP	Diploma Seminar	KZ	4
The project addresses	oroblems mainly from building practice. The project is preparation for own diploma thesis. The output of the project is the assi	gnment of the top	ic of the diploma
thesis, elaboration of th	e curriculum, search and study of literature, research and detailed introduction to the solved problems. The student will study	the methodologic	cal instructions
of the Czech Technical	University in Prague, how to write university graduate theses - see http://knihovna.cvut.cz/en/seminare-a-vyuka/jak-psat/jak-	psat-zaverecnou-r	praci.
Codo of the ar			
Code of the gr			

Name of the group: Management a ekonomika ve stavebnictví, diplomová práce 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 1 course 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
126DPM	Diploma Thesis Robert Bouška, Josef Žák, Aleš Tomek, Martinásenský, Radan Tomek, Renáta Schneiderová Heralová, Václav Tatýrek, Eduard Hromada, Jaroslava Tománková, Eduard Hromada Václav Tatýrek (Gar.)	Z	30	24C	Z	Z

# Characteristics of the courses of this group of Study Plan: Code=NE20230300 Name=Management a ekonomika ve stavebnictví, diplomová práce

126DPM	Diploma Thesis	Z	30			
In his/her diploma thesi	n his/her diploma thesis a student deals with topics from civil engineering and construction, economic and management. He/she solves problems both from operational practice and					
from research and deve	elopment. A thesis contains a text part, drawings and possibly documentation. In the project conclusion a student will highligh	t his/her own cont	tribution to the			
assigned topic. A thesis	assigned topic. A thesis links to diploma project and augments knowledge gained of it. The student continuously consults the work with the supervisor, when he submits the individual					
parts in progress.						

Name of the block: Compulsory elective courses Minimal number of credits of the block: 4 The role of the block: PV

#### Code of the group: NE20230200\_1

Name of the group: Management a ekonomika ve stavebnictví, PV p edm ty, 2. semestr 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 2 courses 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
126YCEC	Construction Economics and Management Aleš Tomek, Radan Tomek Aleš Tomek Aleš Tomek (Gar.)	Z	2	2P	L	PV
126YCOE	Construction Contracting Aleš Tomek, Radan Tomek Josef Žák	Z	2	2P	L	PV

126YMME	Management Decision-making Methods E Eduard Hromada Eduard Hromada (Gar.)	Z	2	1P+1C	L	PV
126YPDV	Development Project Kate ina Eklová Eduard Hromada Kate ina Eklová (Gar.)	Z	2	2C	L	PV
124YDRS	<b>Timber Buildings</b> Jan R ži ka, Jaroslav Vychytil, Marek Pokorný, Kamil Stan k, Milan Peukert, Lukáš Velebil <b>Jaroslav Vychytil</b> Jan R ži ka (Gar.)	Z	2	1P+1C	L	PV
124YRHS	Reconstruction of Historical Building Structures Tomáš ejka, Radek Zigler, Ji í Witzany <b>Ji í Witzany</b> Ji í Witzany (Gar.)	Z	2	1P+1C	L	PV
126YBVE	BIM in Public Investments Stanislav Vitásek Stanislav Vitásek (Gar.)	Z	2	2P	L	PV
122YTPP	Technology of preparatory processes Tornáš Váchal, Mária Párová Rostislav Šulc Rostislav Šulc (Gar.)	Z	2	1P+1C	Z,L	PV

## Characteristics of the courses of this group of Study Plan: Code=NE20230200\_1 Name=Management a ekonomika ve stavebnictví, PV p edm ty, 2. semestr

		· · · · · · · · · · · · · · · · · · ·				
126YCEC	Construction Economics and Management	Z	2			
126YCOE	Construction Contracting	Z	2			
As every project manage	er in construction business has to be a contract manager at the same time, understanding the contract - respectively contract	ting in general - is	a must. Course			
of Construction Contrac	ting is oriented on current business practices and methods, management techniques and understanding general legal princi	ples, codes and re	egulations. It is			
about doing business in construction using standard procurement systems and applying given types of contracts, respectively standard contracts (e.g. FIDIC). Lectures are based on						
the real practice experie	nce of both course's lecturers and various case studies are studied and solved.					
126YMME Management Decision-making Methods E Z 2						
126YPDV	Development Project	Z	2			
124YDRS	Timber Buildings	Z	2			
The aim is to present a c	complex overview on energy efficient timber structures. Basic theoretical and design principals are presented. The lectures are	focused on follow	ing technologies			
of timber structures: (i) h	neavy timber skeleton systems, (ii) light timber structures based on 2x4. (iii) CLT, (iv) log house. All technologies of timber stru	uctures are preser	nted in structural			
and building physics context of low energy and passive buildings.						
and building physics cor	ntext of low energy and passive buildings.					
and building physics cor 124YRHS	ntext of low energy and passive buildings. Reconstruction of Historical Building Structures	Z	2			
and building physics cor 124YRHS In the period from the se	ntext of low energy and passive buildings. Reconstruction of Historical Building Structures econd half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in	Z n traditional brick	2 technology were			
and building physics cor 124YRHS In the period from the se constructed in the Czect	ntext of low energy and passive buildings. Reconstruction of Historical Building Structures acond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19	Z n traditional brick t th and 20th centu	2 technology were ries. Multi-storey			
and building physics cor 124YRHS In the period from the sec constructed in the Czect brick tenement houses of	Itext of low energy and passive buildings. Reconstruction of Historical Building Structures accond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19 do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the	Z n traditional brick t th and 20th centu ne required extent	2 technology were ries. Multi-storey , and in many			
and building physics cor 124YRHS In the period from the sec constructed in the Czect brick tenement houses of cases require regeneration	Itext of low energy and passive buildings. Reconstruction of Historical Building Structures accond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19 do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the ion and modernization interventions, including the replacement of non-compliant and out-of-date structures and equipment end	Z n traditional brick t th and 20th centu ne required extent, abling their further	2 technology were ries. Multi-storey , and in many use. The course			
and building physics cor 124YRHS In the period from the sec constructed in the Czect brick tenement houses of cases require regenerati is focused on the current	Itext of low energy and passive buildings. Reconstruction of Historical Building Structures acond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19 do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the ion and modernization interventions, including the replacement of non-compliant and out-of-date structures and equipment en- issue of renewal, reconstruction and modernization of brick multi-storey rental apartment buildings, on historical structures and	Z n traditional brick to th and 20th centu ne required extent, abling their further materials, the issu	2 technology were ries. Multi-storey , and in many use. The course te of degradation			
and building physics cor 124YRHS In the period from the sec constructed in the Czecl brick tenement houses of cases require regenerati is focused on the current and aging of structures	Itext of low energy and passive buildings. Reconstruction of Historical Building Structures acond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19 do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the ion and modernization interventions, including the replacement of non-compliant and out-of-date structures and equipment en- issue of renewal, reconstruction and modernization of brick multi-storey rental apartment buildings, on historical structures and and materials of historic brick residential buildings, their residual life, failures and reconstruction of historical buildings and the	Z n traditional brick to th and 20th centu ne required extent, abling their further materials, the issu eir parts. Furthern	2 technology were ries. Multi-storey , and in many use. The course te of degradation nore, the course			
and building physics cor 124YRHS In the period from the sec constructed in the Czecl brick tenement houses of cases require regenerati is focused on the current and aging of structures is focused on the issue	Itext of low energy and passive buildings. Reconstruction of Historical Building Structures acond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19 do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the ion and modernization interventions, including the replacement of non-compliant and out-of-date structures and equipment en- issue of renewal, reconstruction and modernization of brick multi-storey rental apartment buildings, on historical structures and and materials of historic brick residential buildings, their residual life, failures and reconstruction of historical buildings and the of improving the well-being of the internal environment, the replacement of finishing structures, opening fillings, etc. as an inter-	Z n traditional brick to th and 20th centu ne required extent, abling their further materials, the issu eir parts. Furthern regral part of the n	2 technology were ries. Multi-storey , and in many use. The course te of degradation nore, the course nodernization of			
and building physics cor 124YRHS In the period from the sec constructed in the Czect brick tenement houses of cases require regenerati is focused on the current and aging of structures is focused on the issue these buildings.	Itext of low energy and passive buildings. Reconstruction of Historical Building Structures acond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19 do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the ion and modernization interventions, including the replacement of non-compliant and out-of-date structures and equipment en- issue of renewal, reconstruction and modernization of brick multi-storey rental apartment buildings, on historical structures and and materials of historic brick residential buildings, their residual life, failures and reconstruction of historical buildings and the of improving the well-being of the internal environment, the replacement of finishing structures, opening fillings, etc. as an inter- structure internal environment, the replacement of finishing structures, opening fillings, etc. as an inter- structure in the replacement of finishing structures, opening fillings, etc. as an inter- structure in the replacement of finishing structures, opening fillings, etc. as an inter- top of the internal environment, the replacement of finishing structures, opening fillings, etc. as an inter- top of the internal environment, the replacement of finishing structures, opening fillings, etc. as an inter- top of the internal environment in the replacement of finishing structures, opening fillings, etc. as an inter- structure in the structure in the st	Z n traditional brick to th and 20th centu ne required extent, abling their further materials, the issu eir parts. Furthern regral part of the n	2 technology were ries. Multi-storey , and in many use. The course te of degradation nore, the course nodernization of			
and building physics cor 124YRHS In the period from the sec constructed in the Czeck brick tenement houses of cases require regenerati is focused on the current and aging of structures is focused on the issue of these buildings. 126YBVE	Reconstruction of Historical Buildings. Reconstruction of Historical Building Structures acond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19 do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the ion and modernization interventions, including the replacement of non-compliant and out-of-date structures and equipment en- issue of renewal, reconstruction and modernization of brick multi-storey rental apartment buildings, on historical structures and and materials of historic brick residential buildings, their residual life, failures and reconstruction of historical buildings and the of improving the well-being of the internal environment, the replacement of finishing structures, opening fillings, etc. as an inter- BIM in Public Investments	Z n traditional brick to th and 20th centu ne required extent, abling their further materials, the issue eir parts. Furthern egral part of the no Z	2 technology were ries. Multi-storey , and in many use. The course te of degradation nore, the course modernization of 2			
and building physics cor 124YRHS In the period from the sec constructed in the Czeck brick tenement houses of cases require regenerati is focused on the current and aging of structures is focused on the issue these buildings. 126YBVE 122YTPP	Itext of low energy and passive buildings. Reconstruction of Historical Building Structures acond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19 do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the ion and modernization interventions, including the replacement of non-compliant and out-of-date structures and equipment en- issue of renewal, reconstruction and modernization of brick multi-storey rental apartment buildings, on historical structures and and materials of historic brick residential buildings, their residual life, failures and reconstruction of historical buildings and the of improving the well-being of the internal environment, the replacement of finishing structures, opening fillings, etc. as an inter- BIM in Public Investments Technology of preparatory processes	Z n traditional brick to th and 20th centu ne required extent, abling their further materials, the issue eir parts. Furtherr regral part of the no Z	2 technology were ries. Multi-storey , and in many use. The course te of degradation nore, the course modernization of 2 2			
and building physics cor 124YRHS In the period from the sec constructed in the Czeck brick tenement houses of cases require regenerati is focused on the current and aging of structures is focused on the issue these buildings. 126YBVE 122YTPP Construction manager -	Itext of low energy and passive buildings. Reconstruction of Historical Building Structures acond half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in a Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19 do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the ion and modernization interventions, including the replacement of non-compliant and out-of-date structures and equipment en- issue of renewal, reconstruction and modernization of brick multi-storey rental apartment buildings, on historical structures and and materials of historic brick residential buildings, their residual life, failures and reconstruction of historical buildings and the of improving the well-being of the internal environment, the replacement of finishing structures, opening fillings, etc. as an inter- BIM in Public Investments Technology of preparatory processes qualifications, financial and criminal responsibility, rights and obligations according to law and contract, processes performent	Z n traditional brick to th and 20th centu ne required extent, abling their further materials, the issue eir parts. Furtherr regral part of the no Z Z d by the construct	2 technology were ries. Multi-storey , and in many use. The course te of degradation nore, the course nodernization of 2 2 ion manager -			

job description. Foreman, rights and obligations, job description. Technical supervision of the builder, construction supervision, financial and criminal responsibility. Awarding of public and other construction contracts, requirements of contracting authorities, offer of construction contracts for individual tenders Basic pre-production and production preparation of the contractor.

#### List of courses of this pass:

Code	Name of the course	Completion	Credits				
122YTPP	Technology of preparatory processes	Z	2				
Construction man	ager - qualifications, financial and criminal responsibility, rights and obligations according to law and contract, processes performed b	by the construction	manager -				
job description. Fo	job description. Foreman, rights and obligations, job description. Technical supervision of the builder, construction supervision, financial and criminal responsibility. Awarding of public						
and other construct	and other construction contracts, requirements of contracting authorities, offer of construction contracts for individual tenders Basic pre-production and production preparation of the						
contractor.							
124PSE1	Building Structures 1E	Z	4				
Introduction and	Introduction and related legislation, construction technology, historical and modern construction systems, low-energy, passive and nZEB buildings in terms of requirements, basic						
principles and de	sign methodology, material solutions, environmental aspects of the design, energy and water management. Structural systems of wo	oden buildings, fou	Indation of				
wooden buildings,	vertical and horizontal load-bearing structures of wooden buildings, roof construction, envelopes of buildings and roof envelopes, int	ernal construction	in terms of				
acoustics and the ri	sk of summer overheating, basic details of wooden buildings. Modern completion construction envelopes of buildings and windows, over	erhanging structure	s, partitions				
and floors in terms	of acoustics. Historical constructions material solutions for vertical and horizontal load-bearing structures, roof construction, building tech	nical and historical	exploration.				
Failures of masonry	v, concrete structures, ceiling and roofing structures and the possibilities of their rehabilitation. Examples of reconstruction and modernia	zation of buildings.	Sustainable				
construction princip	els, technical measures from the perspective of sustainable construction. Methods of complex assessment of building quality, SB Too	I CZ. Processes in	preparation				
	and awarding construction contracts.						
124YDRS	Timber Buildings	Z	2				
The aim is to prese	nt a complex overview on energy efficient timber structures. Basic theoretical and design principals are presented. The lectures are foc	used on following t	echnologies				
of timber structures	:: (i) heavy timber skeleton systems, (ii) light timber structures based on 2x4. (iii) CLT, (iv) log house. All technologies of timber structu	res are presented	in structural				
	and building physics context of low energy and passive buildings.						
124YRHS	Reconstruction of Historical Building Structures	Z	2				
In the period from t	he second half of the 19th century by 1960, more than 250 thousand of two- to five-story brick apartment (mainly rental) houses in tra-	aditional brick tech	nology were				
constructed in the 0	constructed in the Czech Republic. Brick buildings from this period were built according to regulations, building codes and laws from the turn of the 19th and 20th centuries. Multi-storey						

brick tenement houses do not meet the current thermal, acoustic and other requirements, the requirements of a dynamically developing society to the required extent, and in many cases require regeneration and modernization interventions, including the replacement of non-compliant and out-of-date structures and equipment enabling their further use. The course is focused on the current issue of renewal, reconstruction and modernization of brick multi-storey rental apartment buildings, on historical structures and materials, the issue of degradation and aging of structures and materials of historic brick residential buildings, their residual life, failures and reconstruction of historical buildings and their parts. Furthermore, the course is focused on the issue of improving the well-being of the internal environment, the replacement of finishing structures, opening fillings, etc. as an integral part of the modernization of

	these buildings.		
125SYB	Building Systems	ZK	4
Multi-criteria analy	sis of the requirements for the indoor environment and the function of the systems in different types of buildings and plants and optimi	zation criteria for th	he design of
energy and ecolog	ical building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in c	different building type	oes in terms
of indoor systems	and building design. E.g. office buildings, residential buildings, halls, shopping centres, cultural centres, industrial buildings, sports bu	ildings, family hous	ses, passive
etc. The audience	will be introduced to the requirements for the indoor environment, the characteristic elements of energy and environmental building syst	ems in relation to th	ne structural
	design for the building type.		
126BIMM	BIM - Information modeling	Z,ZK	4
Strudent are goir	ng to acquire skills and knowledge in the field of systems working with documents in digital form, their structure and the use of data w	ithin document ma	nagement
systems and com	mon data environments. They will receive information regarding the digitization of processes and the awarding of contracts for desigr	, construction and	consulting
work in the constru	action industry. In the context of digitization, they will acquire knowledge in the field of legislation (Cybernet Act and Act on Document S	Service, ZZVZ) and	contractual
FIDIC, Czech Cont	ractual Standard and BIM Protocol. Graduates will gain knowledge about database systems, their architecture and use for construction	project manageme	nt, including
options for cho	osing such systems in terms of technology, price and efficiency. Students will be introduced to tasks from practice using data and into	ormation systems to	o create
measurement rep	orts, certify buildings and monitor construction progress. The course is designed in such a way that students can obtain more detaile	d information from	the field of
information sys	tems in construction companies, the current state of the use of adjutation and their possibilities in construction projects. The acquired	a knowledge will er	hable the
4000004	application of information technologies to engineering tasks.	7	00
		ـــــــــــــــــــــــــــــــــــــ	30
In his/her diploma	thesis a student deals with topics from civil engineering and construction, economic and management. Herse solves problems book	from operational p	ractice and
assigned topic A t	a development. A mesis contains a text part, adawings and possibly documentation, in the project conclusion a student with highlight in besis links to dislow a project and augments knowledge gripsol of it. The student continuously expectite the work with the supervises to	when he submits th	
	nesis initis to uplottia project and augments knowledge gamed of the near commutously consults the work with the supervisor, t		
126060	Diplomo Sominor	K7	1
The project addres	Diploma Seminarian S	N∠ N∠	4 the diploma
thesis elaboration	sets problems manny non-building practice, the project is preparation to own uproma mesis, the output of the project is the assignment of the project is the project is the assignment of the project is the pr	e methodological i	netructione
of the Czech	To the comparison and study of metalone, research and detailed introduction to the solved problems. The student will study in Tachnical University in Prague how to write university graduate theses - see http://kniby.na.cutt.cz/an/ceminare.a-vulka/iak.nest/la	k-nsat-zaverecnou	-nraci
			2 2
The subject evel	ECOTOMICS for Malagers	∠n nmont and to undo	Z retand the
factors influencing	and use tools and proceedings that can be used to understand the decision making or consumers and companies in the market enviro	of the subject is to	
the functioning of a	and instantiation in a market environment. After successful and using the students will be able to - to understand how consumers and	ake decisions abou	it consumer
demand and comp	anies about production volume and prices in a market economy, and how changes in economic variables affect the decisions of econ	omic entities rec	oanize risks
and ways of mana	ing them and understand market failures and their solution options use economic theory and models to explain and predict the beh	avior of economic e	entities both
	in managerial decision-making and at the macro level with an explanation of the specifics of the real estate market and the construc	tion sector.	
126FAMG	Facility Management	7.7K	4
The aim of the c	urse is to understand the issue of integrated facility management in the context of the currently valid standards SN EN 15221 and	SN EN ISO 4100	1 - Facility
management. Stu	idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of	in-house and outso	ourcing. As
part of the life cycl	idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap	in-house and outso plication. Students	ourcing. As will learn to
part of the life cycl work wi	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager	in-house and outso plication. Students nent and operation	ourcing. As will learn to
part of the life cycl work wi	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management	in-house and outso plication. Students nent and operation Z,ZK	ourcing. As will learn to 
part of the life cycl work wi 126FIMA Advanced course i	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management	in-house and outso plication. Students nent and operation Z,ZK nt (centres). Corpor	ourcing. As will learn to 
part of the life cycl work wi 126FIMA Advanced course i as a tool for imple	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec	in-house and outso plication. Students nent and operation Z,ZK nt (centres). Corpor ast. Financial analy	burcing. As will learn to 
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial	in-house and outso plication. Students nent and operation Z,ZK nt (centres). Corpor ast. Financial analy policies - optimal r	burcing. As will learn to 5 ate budgets ysis and its nix of debt
nanagement. St part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial neight of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard com	in-house and outso plication. Students nent and operation Z,ZK nt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and
nanagement. St part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial neight of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).	in-house and outso plication. Students nent and operation Z,ZK nt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and
Advanced course i as a tool for imple application in a c and equity, finar	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial neight of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international). Engineering	in-house and outso plication. Students nent and operation Z,ZK nt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK	5 strain of the second
Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial neiting of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international). Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext	in-house and outso plication. Students nent and operation Z,ZK nt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination,	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment
Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial net of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international). Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext y, feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, eng	in-house and outso plication. Students nent and operation Z,ZK nt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts	5 ate budgets ysis and its nix of debt estic and 5 investment specimens,
Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forect onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial net of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).	in-house and outso plication. Students nent and operation Z,ZK nt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de	5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination
Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forect onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial net of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).	in-house and outso plication. Students nent and operation Z,ZK tt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a	5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment,
Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forect onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial international).	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p	surcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings
Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forect onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial international).	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac	surcing. As will learn to 
Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docun	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management In the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forect onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial acting of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).  Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext  (, feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, engo  ordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction prace  d quality parameters, contractual sanctions, time realistic plans, territorial, constructional governance, law no. 183/2006 Sb. fulfilment,  ereing, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological regule  reation, parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, building  reation, performance audit, decision processes and methods, invested energy. BID Documentation rules. Insolvency, Social respore	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac usibility in construct	surcing. As will learn to 
Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docun	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forect onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial neing of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).	in-house and outso plication. Students nent and operation Z,ZK tt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac usibility in construct	surcing. As will learn to 
Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities stud: VOB (Verdingungs of performance an investment engine plan, test run op handover docum	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forece onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial international, building of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).	in-house and outso plication. Students nent and operation Z,ZK tt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts construction order a ations, handover p g handover and ac isibility in construct Z,ZK	5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, ion firms,
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities stud VOB (Verdingungs of performance an investment engine plan, test run op handover docum	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial international). Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext , feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, engo ordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction pra- d quality parameters, contractual sanctions, time realistic plans, territorial, constructional governance, law no. 183/2006 Sb. fulfilment, ere erring, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological regule eration, parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, building netration, performance audit, decision processes and methods, invested energy. BIM. Documentation rules. Insolvency, Social resport RIPRAN method. Property Appraisal theory. Cost method, method of comparis methods of final analysis of market value. Administrative price of eragl estates, property appraisal theory. Cost method, method of comparis methods o	in-house and outso plication. Students nent and operation Z,ZK tt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac isibility in construct Z,ZK on, method of retur	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, ion firms, 5 ms. Market
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities stud VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis -	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap th the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management n the financial management of a construction company - links to project finance and the system of intra-company economic management menting the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial incing of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international). Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext , feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, eng ordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction pra d quality parameters, contractual sanctions, time realistic plans, territorial, constructional governance, law no. 183/2006 Sb. fulfilment, o erring, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological regul eration, parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, building terring, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological regul eration, parameters fulfilment assessment, construction maintenance planning, marketing, building changes pri	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac sibility in construct Z,ZK on, method of retur siness activities, in	5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, ion firms, 5 rns. Market property
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities stud VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis -	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager in the financial management of a construction company - links to project finance and the system of intra-company economic management on the financial controlling of the company and its functions. Valuation of construction companes. Corporate financial using of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).   Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext , feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, engordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction pering, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological regule eration, parameters, clufilment, assessment, construction maintenance planning, marketing, building changes prior completion, building the property Appraisal area. Property appraisal methods, purpose and utilization, appraisal theory. Cost method, method of comparis methods of final analysis of final analysis of market value. Administrative price of real estates, property appraisal in banking, insurance industry, in bu administration.	in-house and outso plication. Students nent and operation Z,ZK tt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac sibility in construct Z,ZK on, method of retur siness activities, in	5 state budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, ion firms, 5 rns. Market property
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities stud VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager in the financial management of a construction company - links to project finance and the system of intra-company economic management menting the company's strategy. Liquidity management of a construction company - working capital management and cashflow fore construction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial cing of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).   Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext <i>y</i> , feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, engo ordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction pering, supplier engineering, supplier scoordination, financial management, capacity management, quality control, technological regule reation, parameters fulfilment assessment, construction maintenance planning, building changes prior completion, building nentation, performance audit, decision processes and methods, invested energy. BIM. Documentation rules. Insolvency, Social resport RIPRAN method.  Property Appraisal the property appraisal area. Property appraisal methods, purpose and utilization, appraisal theory. Cost method, method of compariss methods of final analysis of market value. Administrative price of real estates, property appraisal in banking, ins	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac sibility in construct Z,ZK on, method of return siness activities, in KZ	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, ion firms, 5 rns. Market property 5
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON Planning and cont	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass apert the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager in the financial management of a construction company - links to project finance and the system of intra-company economic management menting the company's strategy. Liquidity management of a construction company - working capital management and cashflow forect on struction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial cig of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).   Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext /, feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, engordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction praid duality parameters, contractual sanctions, time realistic plans, territorial, constructional governance, law no. 183/2006 Sb. fulfilment, ereing, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological reguleration, parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, building nentation, performance audit, decision processes and methods, invested energy. BIM. Documentation rules. Insolvency, Social resports methods of final analysis of market value. Administrative price of real estates, property appraisal in banking, insurance industry, i	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac sibility in construct Z,ZK on, method of return siness activities, in KZ le efficient manage	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, ion firms, 5 rns. Market property 5 ement of the
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON Planning and cont cons	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager in the financial management of a construction company - links to project finance and the system of intra-company economic management on the financial controlling of the company and its functions. Valuation of construction companies. Corporate financial including of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).   Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext y, feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial construction pratering duality parameters, contractual sanctions, time realistic plans, territorial, constructional governance, law no. 183/2006 Sb. fulfilment, a duality parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, building changes prior completion, building changes prior complexion, brows and methods, invested energy. BIM. Documentation rules. Insolvency, Social resport RIPRAN method.  Property Appraisal the property appraisal area. Property appraisal methods, purpose and utilization.  Construction economics (prices, costs, costing) rolling with a focus on project controlling, getting acquainted with modern tools and management tools (SW for cost, time and resource function company apraisal independent solution of tasks on real projects using modern management tools (SW for cost, time and resource function company and independent solution of tasks on real projects using modern man	in-house and outso plication. Students nent and operation Z,ZK tt (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac sibility in construct Z,ZK on, method of return siness activities, in KZ le efficient manage e management).	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, tion firms, 5 rns. Market property 5 ement of the
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON Planning and cont cons 126PM1	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management of a construction company - links to project finance and the system of intra-company economic management ementing the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec construction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial international).	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac isibility in construct Z,ZK on, method of retui siness activities, in KZ le efficient manage e management). Z,ZK	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, tion firms, 5 rns. Market property 5 ement of the 5
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON Planning and cont cons 126PM1 The subject is focu	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building management in the financial management of a construction company - links to project finance and the system of intra-company economic management menting the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial icing of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international).	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac isibility in construct Z,ZK on, method of retui siness activities, in KZ le efficient manage e management). Z,ZK	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, atermination assignment, roceedings ceptance, tion firms, 5 ms. Market property 5 ement of the 5 of the owner
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON Planning and cont cons 126PM1 The subject is foct	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building managere <b>Financial Management</b> n the financial management of a construction company - links to project finance and the system of intra-company economic management onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial cincing of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international). Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext <i>i</i> , feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, eng ordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual governance, law no. 183/2006 Sb. fulfilment, evering, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological regule artiton, parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, buildin he property appraisal area. Property appraisal methods, invested energy. BIM. Documentation rules. Insolvency, Social respor RIPRAN method. Property Appraisal theory. Cost method, method of comparis methods of final analysis of market value. Administrative price of real estates, property appraisal in banking, insurance industry, in bu administration. Construction economics (prices, costs, costing) rolling with a focus on project controlling, getting acquainted with modern tools and m	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac isibility in construct Z,ZK on, method of retui siness activities, in KZ le efficient manage e management). Z,ZK in the perspective of ses, choice of supp nethod (Design Bit	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, atermination assignment, roceedings ceptance, tion firms, 5 ms. Market property 5 ement of the 5 of the owner lier system, I Build) with
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON Planning and cont cons 126PM1 The subject is foct of the construction choice of supplier current alte	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management of a construction company - links to project finance and the system of intra-company economic management menting the company's strategy. Liquidity management of a construction company - working capital management and cashflow force onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial icing of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international). Engineering perational management of development projects from perspective of time, resources, price determination, commercial contractual law, eng ordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction pra d quality parameters, contractual sanctions, time realistic plans, territorial, constructional governance, law no. 183/2006 Sb. fulfilment, or erring, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological regul eration, parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, building entation, performance audit, decision processes and methods, invested energy. BIM. Documentation rules. Insolvency, Social respor RIPRAN method. Property Appraisal theory. Cost method, method of comparis methods of final analysis of market value. Administrative price of real estates, property appraisal in banking, insurance industry, in bu administration. Project Management 10 sed on	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac isibility in construct Z,ZK on, method of retui siness activities, in KZ le efficient manage e management). Z,ZK in the perspective of ses, choice of supp nethod (Design Bic umber of case stu	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, atermination assignment, roceedings ceptance, tion firms, 5 ms. Market property 5 ment of the 5 of the owner dier system, I Build) with dies.
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON Planning and cont cons 126PM1 The subject is foct of the construction choice of supplier current alte	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building manager Financial Management of a construction company - links to project finance and the system of intra-company economic managemer menting the company's strategy. Liquidity management of a construction company - working capital management and cashflow forec onstruction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial acting of new projects, dividend policy. The EVA method. Project finance and its application in BOT projects. Financing of standard con international). Engineering perational management of development projects from perspective of time, resources, cost, analysis of resources, solution design, ext , feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, eng ordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction para d quality parameters, contractual sanctions, financial management, capacity management, quality cont, technological regul eration, parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, building nerinds, supplier engineering, suppliers coordination, financial management, supplicers, cost method, method of comparis methods of final analysis of market value. Administrative price of real estates, property appraisal in banking, insurance industry, in bu administration. <b>Construction economics (prices, costs, costing)</b> rolling with a focus on project controlling, getting acquainted with modern tools	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac isibility in construct Z,ZK on, method of retui siness activities, in KZ le efficient manage e management). Z,ZK in the perspective of ses, choice of supp nethod (Design Bic umber of case stur TZK	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, atermination assignment, roceedings ceptance, tion firms, 5 rns. Market property 5 ment of the 5 of the owner dier system, H Build) with dies.
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON Planning and cont cons 126PM1 The subject is foct of the construction choice of supplier current alte 126PM2 The teaching of the	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass and the ARCHIBUS CAFM system, from linking the BM model from the Revit application to solving practical tasks in building manager Financial Management of a construction company - links to project finance and the system of intra-company economic management menting the company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial construction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial construction development projects from perspective of time, resources, cost, analysis of resources, solution design, ext , feasibility study, interest optimization, technological, legal, financial resources, price determination, commercial construction pra- d quality parameters, contractual sanctions, time realistic plans, territorial, constructional governance, law no. 183/2006 Sb. fulfilment, a d quality parameters fulfilment assessment, construction maintenance planning, marketing, building changes prior completion, building entration, performance audit, decision processes and methods, invested energy. BIM. Documentation rules. Insolvency, Social resport RIPRAN method. Property Appraisal the property appraisal area. Property appraisal methods, purpose and utilization, appraisal theory. Cost method, method of comparis methods of final analysis of market value. Administrative price of real estates, property appraisal in banking, insurance industry, in bu administration. Project Management 10s (SW for cost, time and resource project. The goal is to analyze the appropriateness of developer acquisition, project activity, legislative preparation, permitting process evaluation method, choice of contract	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac usibility in construct Z,ZK on, method of retui siness activities, in KZ le efficient manage e management). Z,ZK in the perspective of ses, choice of supp nethod (Design Bic umber of case stur Z,ZK conpolecial construct	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, tion firms, 5 ms. Market property 5 ement of the 5 of the owner olier system, 1 Build) with dies. 5 yuctions and
management. Sit part of the life cycl work wi 126FIMA Advanced course i as a tool for imple application in a c and equity, finar 126INZG Conceptual and o opportunities study VOB (Verdingungs of performance an investment engine plan, test run op handover docum 126OCNE Basic terms from value analysis - 126PCON Planning and cont cons 126PM1 The subject is foct of the construction choice of supplier current alte 126PM2 The teaching of th constructions of th	Idents will become familiar with the principles of efficient building operation, including the provision of support activities in the form of e of buildings, they solve the issue of operating costs, including maintenance and renewal planning, where they use the Buildpass ap the the ARCHIBUS CAFM system, from linking the BIM model from the Revit application to solving practical tasks in building management in the financial management of a construction company - links to project finance and the system of intra-company economic management ementing the company. Financial Controlling of the company and its functions. Valuation of construction companies. Corporate financial construction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial construction company. Financial controlling of the company and its functions. Valuation of construction companies. Corporate financial resources, post study, interest optimization, technological, legal, financial resources, price determination, commercial contractual law, engordnung für Bauleistungen) delivery conditions used by german investors - FIDIC contractual terms used in international construction programeters, contractual sanctions, time realistic plans, territorial, constructional governance, law no. 183/2006 Sb. fulfiment, sering, supplier engineering, suppliers coordination, financial management, capacity management, quality control, technological reguleration, performance audit, decision processes and methods, invested energy, BIM. Documentation rules. Insolvency, Social resport RIPRAN method.  Property Appraisal Property Appraisal Property Appraisal theory. Cost method, method of comparis methods of final analysis of market up. Administrative price of real erstates, property appraisal in banking, insurance industry, in bu administration.  Construction economics (prices, costs, costing) rolling with a focus on project controlling, getting acquainted with moder nools and managerial decision-making techn	in-house and outso plication. Students nent and operation Z,ZK it (centres). Corpor ast. Financial analy policies - optimal r tract projects (dom Z,ZK ernal examination, ineering contracts ctice, contractual de construction order a ations, handover p g handover and ac isibility in construct ations, handover p g handover and ac isibility in construct Z,ZK on, method of retui siness activities, in KZ le efficient manage e management). Z,ZK in the perspective of ses, choice of supp nethod (Design Bid umber of case stur Z,ZK chnological constr agement Body of H	burcing. As will learn to 5 ate budgets ysis and its nix of debt estic and 5 investment specimens, etermination assignment, roceedings ceptance, tion firms, 5 ms. Market property 5 ement of the 5 of the owner olier system, I Build) with dies. 5 uctions and Knowledge)

management (sco	be, time, cost, quality, human resources, risk and procurement management). The procedural management of construction projects is	supplemented by	the current			
400)(D)/F	issue of claims management and claims management of construction projects.	7	0			
126YBVE	BIM in Public Investments	Z	2			
126YCEC	Construction Economics and Management	Z	2			
126YCOE	Construction Contracting	Z	2			
As every project m	anager in construction business has to be a contract manager at the same time, understanding the contract - respectively contracting	in general - is a m	nust. Course			
of Construction Co	portracting is oriented on current business practices and methods, management techniques and understanding general legal principle	s, codes and regul	lations. It is			
about doing busine	ss in construction using standard procurement systems and applying given types of contracts, respectively standard contracts (e.g. I	FIDIC). Lectures ar	e based on			
	the real practice experience of both course's lecturers and various case studies are studied and solved.					
126YEMB	Energy Management	Z,ZK	4			
The course on ene	rgy management covers the issues of management in general, energy management, energy systems, and energy efficiency in the Eu	ropean legislation	framework.			
The main target of	f the course is to explain basic principles and future changes in the construction industry, specifically in the field of energy efficiency	economics. The stu	udents will			
increase their kno	wledge about strategies towards sustainable energy in buildings and mainly about energy efficiency. A specific part of the course is o	ledicated to the ev	aluation of			
energy efficiency	energy efficiency measures, supporting schemes for energy efficiency, tackling energy poverty, multi-criterial evaluation of projects, LCA (live cycle assessment) and LCC (life cycle					
	cost), moreover the students receive overview of the cost optimum calculation.					
126YMME	Management Decision-making Methods E	Z	2			
126YPDV	Development Project	Z	2			

For updated information see <u>http://bilakniha.cvut.cz/en/FF.html</u> Generated: day 2025-07-12, time 05:23.