Study plan

Name of study plan: Architektura a stavitelství, zam ení Ochrana a obnova památek

Faculty/Institute/Others:

Department:

Branch of study guaranteed by the department: Welcome page

Garantor of the study branch:

Program of study: Architecture and Building Sciences

Type of study: Follow-up master full-time

Required credits: 120 Elective courses credits: 0 Sum of credits in the plan: 120

Note on the plan: tento studijní plán platí od akademického roku 2019/20

Name of the block: Compulsory courses Minimal number of credits of the block: 33

The role of the block: Z

Code of the group: NA20190101

Name of the group: Architektura a stavitelství, povinné p edm ty, 1. semestr

Requirement credits in the group: In this group you have to gain at least 11 credits (at most 0)

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

Credits in the group: 11 Note on the group:

	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their					
Code	members)	Completion	Credits	Scope	Semester	Role
	Tutors, authors and guarantors (gar.)					
124HRRB	Historical structures and restoration of buildings Ji í Witzany, Tomáš ejka, Radek Zigler, Klára Kroftová Klára Kroftová	Z,ZK	7	4P+2C	Z	Z
125SYB	Building Systems Karel, Kabele, Jan Towoniak, Karel, Kabele, Karel, Kabele (Gar.)	ZK	4	4P	Z	Z

Characteristics of the courses of this group of Study Plan: Code=NA20190101 Name=Architektura a stavitelství, povinné p edm ty, 1. semestr

124HRRB | Historical structures and restoration of buildings | Z,ZK | 7 In the lecture series, basic information about the structure and current tendencies of monument care in the Czech Republic, the history of monument care and the development of views on the protection of monuments (including industrial heritage) up to the present are explained. Approaches to the restoration of historical buildings are shown on selected examples. Furthermore, the lectures are focused on topics related to the own protection of historical and heritage-protected buildings. In particular, these are defects and failures of buildings, load effects and influences from the point of view of load history; non-force effects and influences, effects of forced deformation; durability and reliability; mechanical, physical, chemical degradation and corrosion processes; failures, reconstruction and rehabilitation of foundation structures, brick structures, concrete structures (reinforced concrete), prefabricated structures, wooden structures of buildings, protection of buildings against increased humidity and diagnostics of buildings.

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 optimization criteria for the design of energy and ecological building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in different building types in terms of indoor systems and building design. E.g. office buildings, residential buildings, halls, shopping centres, cultural centres, industrial buildings, sports buildings, family houses, passive etc. The audience will be introduced to the requirements for the indoor environment, the characteristic elements of energy and environmental building systems in relation to the structural design for the building type.

Code of the group: NA20190200

Name of the group: Architektura a stavitelství, povinné p edm ty, 2. semestr

Requirement credits in the group: In this group you have to gain at least 13 credits (at most 0)

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

Credits in the group: 13 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
105ESSO	Aesthetic and Sociology Jitka Cirklová, Monika Dobiášová Jitka Cirklová Jitka Cirklová (Gar.)	Z	3	2P+1C	L	Z
127UVI	Urban Planning and Public Infrastructure Vojt ch Ko alka, Václav Jetel, Ivan Kaplan, Jan Cihlá Václav Jetel Ivan Kaplan (Gar.)	ZK	5	4P	L	Z
129SAR	Contemporary Architecture Lenka Popelová, Petr Urlich, David Š astný, Klára Ciesarová, Nikolay Brankov, Radomíra Sedláková Lenka Popelová Lenka Popelová (Gar.)	Z,ZK	5	2P+2C	L	Z

Characteristics of the courses of this group of Study Plan: Code=NA20190200 Name=Architektura a stavitelství, povinné p edm ty, 2. semestr

105ESSO Aesthetic and Sociology

The aim of the course is to introduce students to contemporary aesthetics as a discipline dealing with the effect of artistic and non-artistic objects on their recipients. The lectures will be based on the premise that contemporary aesthetics is characterized by a deepening distance from traditional aesthetics (based on the concepts of taste, beauty, nobility and genius, on the relationship between aesthetics and art, ethics or nature). We will also focus on contemporary topics such as aesthetics in the field of mass and digital media, everyday life, public space and sports. Students will be introduced to both theoretical texts in the field of sociology, modern art theory, and concrete projects (in the field of painting, sculpture, theater, film and music). Continuous consideration will be given to the sociological aspect of aesthetics, i.e. how the way in which artistic artifacts are perceived and created is reflected in the fact that the given artifact is always created and perceived within a certain community or a certain community.

Urban Planning and Public Infrastructure

As part of the lectures, the listener will learn about the basic activities and skills of a city engineer, city architect, urban planner and spatial planner in the field of public infrastructure, which is central to the processing of spatial planning tools according to the Building Act. For these purposes, the lectures are based on interpretation combined with a professional description of individual components of public infrastructure: transport infrastructure, technical infrastructure, civic equipment and public spaces.

129SAR Contemporary Architecture Z.ZK

This course deals with contemporary architecture and its theory. The aim of the course is to get an overview of the most famous theoretical texts/sources that shaped the opinion on the form of architecture from the second half of the 20th century until today.

Code of the group: NA20190301

Name of the group: Architektura a stavitelství, povinné p edm ty, 3. semestr

Requirement credits in the group: In this group you have to gain at least 9 credits (at most 0)

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

Credits in the group: 9 Note on the group:

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
127KAZP	Landscape Architecture and Environment Simona Vondrá ková, Ji í Kupka, Josef Krása, Tomáš Dostál Ji í Kupka Ji í Kupka (Gar.)	Z,ZK	5	3P+2C	Z	Z
129UPP	Introduction to professional practise Ji í Š ástka, Petr Lédl, Mikuláš Hulec, Jaroslav Da a Petr Lédl Petr Lédl (Gar.)	Z,ZK	4	2P+2C	Z	Z

Characteristics of the courses of this group of Study Plan: Code=NA20190301 Name=Architektura a stavitelství, povinné p edm ty, 3. semestr

127KAZP Landscape Architecture and Environment Z,ZK

The course is an introduction to some aspects of landscape architecture and environmental ecology and conservation. Teaching is provided by the Department of Urban Design, Town and Regional Planning (K127) and Dep. of Landscape Water Conservation (K143). Each department provides a block of lectures and a part of practicals. The lectures cover the landscape, its character and landscape character, the cultural and historical values of the landscape and their protection, landscape and greenery in the urban environment, the development of landscape and urban greenery from the Middle Ages to the present, including the ideological principles of contemporary landscape design and the principles of garden design, all within the necessary legislative framework. The second thematic block deals with the use of GIS for the assessment of landscape processes, introduces geoportals with landscape data, discusses the development of the cadastre, land management, landscape care, the importance of agriculture, surface water protection in the context of landscape care, rainfall-runoff relationships, floods and droughts. In the exercises, both thematic blocks are deepened by analyses of specific areas.

129UPP Introduction to professional practise Z,ZK

The subject Introduction to professional practice aims to introduce students to the practical activities of the work of an architect and related performances. Above all, this is about other design work and associated services, connected with the legislative process, the course of construction management and the implementation of the building.

Name of the block: Povinné p edm ty zam

Minimal number of credits of the block: 57

The role of the block: PZ

Code of the group: NA20190003 1

Name of the group: zam ení Ochrana a obnova památek, p edm ty zam ení Requirement credits in the group: In this group you have to gain at least 57 credits

Requirement courses in the group: In this group you have to complete at least 7 courses

Credits in the group: 57 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
129AMG1	Design Studio 1 Klára Kroftová, Nikolay Brankov, Mikuláš Hulec, Jaroslav Da a, Aleš Van k, Martin N mec, Petr Dvo ák, Vojt ch Dvo ák, Michal Šmolík, Michal Šourek Michal Šourek (Gar.)	KZ	14	12C	Z	PZ
129PAPE	Historic Preservation Klára Kroftová, Mikuláš Hulec, Mat j Bohá Mikuláš Hulec Klára Kroftová (Gar.)	Z,ZK	5	3P+1C	Z	PZ
124PSHB	Failures and Renovations of Historic Buildings Tomáš ejka, Radek Zigler Radek Zigler Tomáš ejka (Gar.)	Z,ZK	5	3P+1C	L	PZ
129AAKA	Architectural and Constructional Design Radek Zigler, Klára Kroftová, Aleš Van k, Tomáš Šenberger, Jan Pust jovský, Miloš Kop iva, Petr Dvo ák, Martin N mec, Martin Volf, Jana Ho ická Petr Šikola (Gar.)	KZ	9	7C	L	PZ
129TSTP	Traditional Building Technologies and Crafts Klára Kroftová, Mat j Bohá , Ji í Pošmourný Klára Kroftová Klára Kroftová (Gar.)	ZK	3	2P	L	PZ
129AMG2	Design Studio 2 Klára Kroftová, Petr Lédl, Jaroslav Da a, Jind ich Svatoš, Tomáš Šenberger, Michal Šourek, Luboš Knytl, Petr Šikola, Patrik Kotas, Jana Ho ická Mikuláš Hulec (Gar.)	KZ	16	12C	Z	PZ
129DEUM	History of Art Rudolf Pošva, Josef Záruba Pfeffermann Josef Záruba Pfeffermann Josef Záruba Pfeffermann (Gar.)	Z,ZK	5	2P+2C	Z	PZ

Characteristics of the courses of this group of Study Plan: Code=NA20190003_1 Name=zam ení Ochrana a obnova památek, p edm ty zam ení

129AMG1	Design Studio 1	KZ	14
Architecture not only as	an object but in scale and the complex framework of the built environment, architecture articulating public space and articula	ited in its context,	architecture as
a poiésis, a phenomeno	on of sustainable development and an economic phenomenon; architecture as the result of a comprehensive creative process	s, which would imp	overish itself if
it overlooked and renou	inced the latest contributions of information technologies, namely virtual reality technologies and machine learning.		
129PAPE	Historic Preservation	Z,ZK	5
The course provides a	pasic orientation in the theory and practice of the field of conservation seals. From a broad range of topics of cultural heritage	care and in accor	dance with the
focus of the Master's de	egree on the protection and restoration of monuments, the course focuses on the care of the built heritage, historic settlemen	s and cultural land	dscape. The
lectures include, among	g other topics, specific conservation methods, monument restoration and crafts.		
124PSHB	Failures and Renovations of Historic Buildings	Z,ZK	5
The lectures follow on t	he issues of failures, defects, reconstructions, renovations and modifications dealt with in the framework of the subject 124H	RRB and further si	applement and
develop it, especially in	the area of breakdowns and renovations of load-bearing wooden, concrete, steel and metal structures, breakdowns and renova	itions of opening fi	llings (windows,
doors), floor structures	, chimneys and staircases of historic buildings.		
129AAKA	Architectural and Constructional Design	KZ	9
The studio's brief is foc	used on building types where the structure largely influences the overall design, or can become an inspirational source or eve	n a distinctive ele	ment of the
architectural solution. T	he students then submit the project in the form of a study of the building, supplemented by a structural concept, preliminary ca	lculations, sketche	es of details and
selected structural elen	nents. Physical models are an important part of the project development.		
129TSTP	Traditional Building Technologies and Crafts	ZK	3
The lecture series of the	course focuses on the construction and design practices of traditional urban construction, selected crafts related to the topic at ha	nd and also on the	methodological
proposal of the procedu	re of sensitive conservation restoration of the affected details of historical buildings. The lectures will include exemplary example	s of restoration an	d presentations
by practitioners focused	l on particular thematic areas. The lectures will focus on the following building professions.		
129AMG2	Design Studio 2	KZ	16
Master's Creation Stud	o 2 is a pre-diploma project. The assignment is usually the solution of a wider area of development areas in urban planning c	ontexts. A compre	hensive
urban-architectural stud	dy is prepared for the selected area.		
129DEUM	History of Art	Z,ZK	5
An overview of the histo	ory of European art from antiquity to modern times	·	

Name of the block: Povinn volitelné p edm ty, doporu ení S2

Minimal number of credits of the block: 30

The role of the block: S2

Code of the group: NA20190401_1

Name of the group: Architektura a stavitelství, 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
129DPM	Diploma Thesis Klára Kroftová, Petr Lédl, Mikuláš Hulec, Jaroslav Da a, Martin Stark, Vladimír Gleich, Tomáš Šenberger, Michal Šourek, Miloš Kop iva, Mikuláš Hulec Jaroslav Da a (Gar.)		30	24C	L,Z	S2

Characteristics of the courses of this group of Study Plan: Code=NA20190401_1 Name=Architektura a stavitelství, diplomová práce

129DFW	Dipiorna Triesis	!	30	
The thesis assignment i	s based on a pre-diploma project. The diploma project is an independent work. In the diploma thesis, a complex architectural	study is prepared	for the selected	
object or set of objects,	supplemented by selected parts of the documentation of the DSP / DPS building part degree and the concept of selected parts	irts of Statics and	HVAC. At the	

defense, the student must prove his invention as an architect and the reality of his design.

List of courses of this pass:

Code	Name of the course	Completion	Credits
105ESSO	Aesthetic and Sociology	Z	3
	urse is to introduce students to contemporary aesthetics as a discipline dealing with the effect of artistic and non-artistic objects on the	ı eir recipients. The l	ectures will
be based on the pr	remise that contemporary aesthetics is characterized by a deepening distance from traditional aesthetics (based on the concepts of tas	te, beauty, nobility	and genius
on the relationsh	ip between aesthetics and art, ethics or nature). We will also focus on contemporary topics such as aesthetics in the field of mass and	d digital media, eve	ryday life,
public space and s	sports. Students will be introduced to both theoretical texts in the field of sociology, modern art theory, and concrete projects (in the field	of painting, sculpt	ure, theate
film and music). Co	ontinuous consideration will be given to the sociological aspect of aesthetics, i.e. how the way in which artistic artifacts are perceived	and created is refle	ected in the
,	fact that the given artifact is always created and perceived within a certain community or a certain community.		
124HRRB	Historical structures and restoration of buildings	Z,ZK	7
	is, basic information about the structure and current tendencies of monument care in the Czech Republic, the history of monument care	· '	
	of monuments (including industrial heritage) up to the present are explained. Approaches to the restoration of historical buildings are		
•	electures are focused on topics related to the own protection of historical and heritage-protected buildings. In particular, these are defe		
	fluences from the point of view of load history; non-force effects and influences, effects of forced deformation; durability and reliability; r		•
	d corrosion processes; failures, reconstruction and rehabilitation of foundation structures, brick structures, concrete structures (reinforce	· ·	
acgradation and	structures, wooden structures of buildings, protection of buildings against increased humidity and diagnostics of buildings.	,	abricated
124PSHB			5
	Failures and Renovations of Historic Buildings	Z,ZK	
	w on the issues of failures, defects, reconstructions, renovations and modifications dealt with in the framework of the subject 124HRRI Illy in the area of breakdowns and renovations of load-bearing wooden, concrete, steel and metal structures, breakdowns and renovatior		
develop it, especial		is of opening lilling	s (windows
4050\/D	doors) , floor structures, chimneys and staircases of historic buildings.	717	
125SYB	Building Systems	ZK	4
Multi-criteria analys	rsis 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	ne design c
	pical building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in conceptual solutions in conceptual solutions in conceptual solutions.		
of indoor systems	pical building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in cand building design. E.g. office buildings, residential buildings, halls, shopping centres, cultural centres, industrial buildings, sports buildings.	ildings, family hous	es, passive
of indoor systems	pical building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in conceptual solutions in conceptual solutions in conceptual solutions.	ildings, family hous	es, passive
of indoor systems	pical building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in cand building design. E.g. office buildings, residential buildings, halls, shopping centres, cultural centres, industrial buildings, sports buildings.	ildings, family hous	es, passive
of indoor systems	gical building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in c and building design. E.g. office buildings, residential buildings, halls, shopping centres, cultural centres, industrial buildings, sports building systematic the requirements for the indoor environment, the characteristic elements of energy and environmental building systematics.	ildings, family hous	es, passive
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of indoor systems etc. The audience of the aud	pical building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in c and building design. E.g. office buildings, residential buildings, halls, shopping centres, cultural centres, industrial buildings, sports building be introduced to the requirements for the indoor environment, the characteristic elements of energy and environmental building systems. Landscape Architecture and Environment	ildings, family housems in relation to the Z,ZK artment of Urban D	ses, passive ne structura 5 esign, Tow
of indoor systems etc. The audience of the aud	pical building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in content and building design. E.g. office buildings, residential buildings, halls, shopping centres, cultural centres, industrial buildings, sports building systems. Building to the requirements for the indoor environment, the characteristic elements of energy and environmental building systems. Building type. Landscape Architecture and Environment Control of the building type. Landscape Architecture and Environment Control of the building is provided by the Department of the building is provided by the Department of the building type.	ildings, family housems in relation to the Z,ZK artment of Urban D cals. The lectures of	ses, passive ne structura 5 esign, Town cover the
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of indoor systems. etc. The audience v 127KAZP The course is an ir and Regional P landscape, its c development of lan design, all within	pical building systems. Relationships between building technical equipment and the building. Integrated view of conceptual solutions in conceptual solutions in conceptual solutions in conceptual solutions. A substitution of the indoor environment, the characteristic elements of energy and environmental building systems of the indoor environment, the characteristic elements of energy and environmental building systems of the building type. Landscape Architecture and Environment Controduction to some aspects of landscape architecture and environmental ecology and conservation. Teaching is provided by the Departmental (K127) and Dep. of Landscape Water Conservation (K143). Each department provides a block of lectures and a part of practice character and landscape character, the cultural and historical values of the landscape and their protection, landscape and greenery in indiscape and urban greenery from the Middle Ages to the present, including the ideological principles of contemporary landscape design the necessary legislative framework. The second thematic block deals with the use of GIS for the assessment of landscape processes.	Z,ZK artment of Urban D cals. The lectures of the urban environr gn and the principle s, introduces geop n in the context of	5 esign, Towlcover the ment, the es of gardelortals with
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129DPM	Diploma Thesis	Z	30
The thesis assignn	nent is based on a pre-diploma project. The diploma project is an independent work. In the diploma thesis, a complex architectural stu	dy is prepared for	the selected
object or set of ol	elects, supplemented by selected parts of the documentation of the DSP / DPS building part degree and the concept of selected parts	s of Statics and H	VAC. At the
	defense, the student must prove his invention as an architect and the reality of his design.		
129PAPE	Historic Preservation	Z,ZK	5
The course provid	es a basic orientation in the theory and practice of the field of conservation seals. From a broad range of topics of cultural heritage ca	re and in accorda	nce with the
focus of the Mas	ter's degree on the protection and restoration of monuments, the course focuses on the care of the built heritage, historic settlements	and cultural lands	scape. The
	lectures include, among other topics, specific conservation methods, monument restoration and crafts.		
129SAR	Contemporary Architecture	Z,ZK	5
This course deals	with contemporary architecture and its theory. The aim of the course is to get an overview of the most famous theoretical texts/source	es that shaped the	opinion on
	the form of architecture from the second half of the 20th century until today.		
129TSTP	Traditional Building Technologies and Crafts	ZK	3
The lecture series of	of the course focuses on the construction and design practices of traditional urban construction, selected crafts related to the topic at hand	and also on the me	thodological
proposal of the pro-	cedure of sensitive conservation restoration of the affected details of historical buildings. The lectures will include exemplary examples o	f restoration and p	resentations
	by practitioners focused on particular thematic areas. The lectures will focus on the following building professions.		
129UPP	Introduction to professional practise	Z,ZK	4
The subject Introdu	iction to professional practice aims to introduce students to the practical activities of the work of an architect and related performance	s. Above all, this is	about other
design	work and associated services, connected with the legislative process, the course of construction management and the implementati	on of the building.	

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