1. PROFESSIONAL ACADEMIC NAME AND DEGREE TO BE REACHED BY COMPLETING THE STUDY

At the end of four years of studies of the first cycle of studies (240 ECTS) on the study programme: *Construction and architecture*, the academic vocation of a **graduate engineer of construction** and a **graduate engineer of architecture and urban planning** and a degree in professional training is reached: **VII/1**.

At the end of the second cycle of studies (60 ECTS) lasting one year, the academic profession of master's degree in **construction and master's degree of architecture and** degree of professional care is reached: **VII/2**.

At the end of the third cycle of studies (180 ECTS) for three years, the academic profession of **doctor of science in construction and doctor of science in architecture** and degree of professional care: **VIII**.

2. CONDITIONS FOR ENROLLING IN THE STUDY PROGRAMME

First cycle of studies:

- Completed four-year high school (IV degree) and passed the entrance exam for the first cycle of study.

Second cycle of studies:

- Completed the first cycle of studies and average ratings over 8.00. In the event that the student has a lower average work Habilitation work in an area determined by the dean of the faculty.

Third cycle of studies:

- Students who have:

  a) *completed first and second cycle studies or integrated studies, established by the study programme of the third cycle of studies or*
  b) *academic degree of master/master of the nuke set out in the study programme of the third cycle of studies*

- In the second year of the third cycle of study, students who have completed their first year of study or are missing 7 ECTS points as well as students who gained 360 ECTS points on the first and second cycles of studies can be enrolled. If the first-year curriculum is not fully agreed, the student is obliged to pass differential exams before the start of the academic year. The Doctoral Studies Commission is worth study plans and programmes and determines the number of differential exams.

3. LIST OF MANDATORY AND ELECTORAL CASES AND THE NUMBER OF HOURS NECESSARY FOR THEIR REALISATION

View Table 1, 2 and 3.

4. THE POINTS VALUE OF EACH CASE AND THE FINAL WORK EXPRESSED IN ECTS POINTS

View Table 1, 2 and 3.

Table 1 First cycle of study - Study program: *Construction and architecture*

Num.	Code	Case Name	Sam.	Guy	Stat us	Active classes			Else Class	ESPB
						P	V	KV		
FIRST YEAR										
1.	11010	Math 1	1		O	2	2	5		6
2.	11020	Draft geometry	1		O	2	2	5		6
3.	11030	Technical physics	1		O	2	2	4		6
4.	11040	Informatics	1		O	2	2	5		6
5.	11050	English 1	1		O	2	2	5		6
6.	11060	Math 2	2		O	2	2	5		6
7.	11070	Technical mechanics 1	2		O	2	2	5		6
8.	11080	Intake of constructions	2		O	2	2	5		6
9.	11090	Geodesy	2		O	2	2	5		6
10.	11100	English 2	2		O	2	2	5		6
Total classes						300	300	5		60
SECOND YEAR										
1.	12010	Material resistance	3		O	2	2	4		6
2.	12020	Technical mechanics 2	3		O	2	2	5		6
3.	12030	Statics	3		O	2	2	5		6
4.	12040	Constructions	3		O	2	2	5		6
5.	12050	Using computers in construction and architecture	3		O	2	2	5		6

MODULE 1: GENERAL CONSTRUCTION

Num.	Code	Case Name	Sam.	Guy	Status	Active classes			Else Class	ESPB
						P	V	KV		
SECOND YEAR										
6.	OG12060	Building materials	4		O	2	2	5		6
7.	OG12070	Fluid mechanics	4		O	2	2	4		6
8.	OG12080	Building 1	4		O	2	2	5		6
9.	OG12090	Building design basis	4		O	2	2	5		6
10.	OG12100	The basis of the economy	4		O	2	2	5		6
Total classes						300	300			60
THIRD YEAR										
1.	OG13010	Numerical modeling in civil engineering	5		O	2	2	5		6
2.	OG13020	Operational research and linear programming	5		O	2	2	5		6
3.	OG13030	Underground buildings and tunnels	5		O	2	2	5		6
4.	OG13040	Rotten engineering	5		O	2	2	5		6
5.	OG13050	Basics of environmental engineering	5		O	2	2	5		6
6.	OG13060	Funding 1	6		O	2	2	5		6
7.	OG13070	Building 2	6		O	2	2	5		6
8.	OG13080	Construction organization 1	6		O	2	2	5		6
9.	OG13090	Building materials 2	6		O	2	2	5		6
10.	OG13100	Soil mechanics and foundation	6		O	2	2	5		6
Total classes						300	300			60

Num.	Code	Case Name	Sam.	Guy	Status	Active classes			Else Class	ESPB
						P	V	KV		
FOURTH YEAR										
1.	OG14010	High-rise elements	7		O	2	2	5		6
2.	OG14020	Hydrotechnical buildings	7		O	2	2	5		6
3.	OG14030	Hydraulics	7		O	2	2	4		6
4.	OG14040	Hydro energy	7		O	2	2	4		6
5.	OG14050	Municipal hydro technics	7		O	2	2	4		6
6.	OG14060	Concrete construction theory	8		O	2	2	5		5
7.	OG14070	Concrete technology	8		O	2	2	5		5
8.	OG14080	Engineering geology	8		O	2	2	5		5
9.	OG14090	Communications in construction	8		O	2	2	5		5
10.	OG14100	Marketing in construction	8		O	2	2	5		5
11.	OG14110	Professional practice	8		O					
12.		Graduate work	8		O				60	5
Total classes						300	300			60

MODULE 2: CONSTRUCTIONS

Num.	Code	Case Name	Sam.	Guy	Status	Active classes			Else Class	ESPB
						P	V	KV		
SECOND YEAR										
6.	KN12060	Static construction 1	4		O	2	2	5		6
7.	KN12070	Engineering geology	4		O	2	2	5		6
8.	KN12080	Surface carrier theory	4		O	2	2	5		6
9.	KN12090	Mason constructions	4		O	2	2	5		6
10.	KN12100	Sociology of work	4		O	2	2	5		6
Total classes						300	300			60
THIRD YEAR										
1.	KN13010	Soil mechanics	5		O	2	2	5		6
2.	KN13020	Basics of roads	5		O	2	2	5		6
3.	KN13030	Basics of metal structures	5		O	2	2	5		6
4.	KN13040	Concrete construction theory	5		O	2	2	5		6
5.	KN13050	Wooden structures	5		O	2	2	5		6
6.	KN13060	Metal structures in construction	6		O	2	2	5		6
7.	KN13070	Stability and dynamics of structures	6		O	2	2	5		6
8.	KN13080	Design and construction of metal structures 1	6		O	2	2	5		6
9.	KN13090	Concrete bridges 1	6		O	2	2	5		6
10.	KN13100	Metal bridges 1	6		O	2	2	5		6
Total classes						300	300			60
FOURTH YEAR										
1.	KN14010	Funding	7		O	2	2	5		6
2.	KN14020	Concrete technology	7		O	2	2	5		6
3.	KN14030	Design and construction of metal structures 2	7		O	2	2	5		6
4.	KN14040	Underground structures	7		O	2	2	5		6
5.	KN14050	Construction testing	7		O	2	2	5		6
6.	KN14060	Project Management	8		O	2	2	5		6
7.	KN14070	Sociology of settlements	8		O	2	2	5		6
8.	KN14080	Special city infrastructure systems	8		O	2	2	5		6
9.	KN14090	Construction theory 2	8		O	2	2	5		6
10.	KN14100	Professional practice	8		O	2	2	5	60	
11.		Graduate work	8		O					6
Total classes						300	300			60

MODULE 3: ARCHITECTURE AND URBANISM

Num.	Code	Case Name	Sam.	Guy	Status	Active classes			Else Class	ESPB
						P	V	KV		
SECOND YEAR										
6.	AU12060	Constructions, materials and construction	4		O	2	2	5		6
7.	AU12070	Elements and assemblies of buildings 1	4		O	2	2	5		6
8.	AU12080	Initiating architectural design	4		O	2	2	5		6
9.	AU12090	Architectural analysis, function and typology 1	4		O	2	2	5		6
10.	AU12100	Free manual drawing	4		O	2	2	5		6
Total classes						300	300	5		60
THIRD YEAR										
1.	AU13010	Architectural analysis, function and typology 2	5		O	2	2	5		6
2.	AU13020	Architectural structures 1	5		O	2	2	5		6
3.	AU13030	Elements and assemblies of buildings 2	5		O	2	2	5		6
4.	AU13040	Urbanism 1	5		O	2	2	5		6
5.	AU13050	History of architecture	5		O	2	2	5		6
6.	AU13060	Drawing and architectural graphics	6		O	2	2	5		6
7.	AU13070	Initiation to design	6		O	2	2	5		6
8.	AU13080	Material in architecture	6		O	2	2	5		6
9.	AU13090	Design of residential buildings	6		O	2	2	5		6
10.	AU13100	Designing public buildings	6		O	2	2	5		6
Total classes						300	300			60
FOURTH YEAR										
1.	AU14010	Urbanism 2	7		O	2	2	5		6
2.	AU14020	Design commercial buildings	7		O	2	2	5		6
3.	AU14030	Installations in buildings	7		O	2	2	5		6
4.	AU14040	Interior	7		O	2	2	5		6
5.	AU14050	Design of residential buildings and complexes	7		O	2	2	5		6
6.	AU14060	Urban design	8		O	2	2	5		5
7.	AU14070	Format inner space	8		O	2	2	5		5
8.	AU14080	Concrete structures	8		O	2	2	5		5
9.	AU14090	Metal and wooden structures	8		O	2	2	5		5
10.	AU14100	Prefabricated buildings	8		O	2	2	5		5
11.	AU14110	Professional practice	8		O				60	
12.		Graduate work	8		O					5
Total classes						300	300			60

Table 2 Second study cycle

Num.	Code	Case Name	Sam.	Guy	Status	Active classes			Else Class	ESPB
						P	V	DON		
STUDY PROGRAMME: GENERAL CONSTRUCTION										
1.	OG21010	Methods and techniques of research	1		O	3	3			8
2.	OG21020	Special methods in geo technique	1		O	2	2			8
3.	OG21030	Method of final elements	1		O	3	3			8
4.	OG21040	Organization of construction and mechanization	1		O	3	3			8
5.		*Elective Subject 1*	2		IB	3	3			7
	OG2105AI	*Special problems of management and construction technology*								
	OG2105BI	*Construction business and regulation*								
6.		*Elective Case 2*	2		IB	3	3			7
	OG2106AI	*Industrial methods in construction*								
	OG2106BI	*Business and investment in construction*								
7.		*Elective Case 3*	2		IB	3	3			7
	OG2107AI	*Durability and assessment of the state of concrete structures*								
8.	OG21080	Professional practice	2		O				60	
9.		Master's degree	2		O					7
Total classes						300	300			60

Num.	Code	Case Name	Sam.	Guy	Status	Active classes			Else Class	ESPB
						P	V	DON		
STUDIO PROGRAM: CONSTRUCTIONS										
1.	KN21010	Methods and techniques of research	1		O	3	3			8
2.	KN21020	Special methods in geo technique	1		O	2	2			8
3.	KN21030	Method of final elements	1		O	3	3			8
4.	KN21040	Organization of construction and mechanization	1		O	3	3			8
5.		*Elective Subject 1*	2		IB	3	3			7
	KN2105AI	*Concrete Bridges 2*								
	KN2105BI	*Metal bridges 2*								
6.		*Elective Case 2*	2		IB	3	3			7
	KN2106AI	*Hydrotechnical structures*								
	KN2106BI	*Basics of Hygrotech*								
7.		*Elective Case 3*	2		IB	3	3			7
	KN2107AI	*Matricin analysis of structures*								
	KN2107BI	*Laminated wooden structures*								
8.	KN21080	Professional practice	2		O				60	
9.		Master's degree	2		O					7
Total classes						300	300			60

Num.	Code	Case Name	Sam.	Guy	Status	Active classes			Else Class	ESPB
						P	V	DON		
STUDY PROGRAMME: ARCHITECTURE AND URBANISM										
1.	AU2101O	Methods and techniques of research	1		O	3	3			8
2.	AU2102O	Special methods in geo technique	1		O	2	2			8
3.	AU2103O	Method of final elements	1		O	3	3			8
4.	AU2104O	Organisation of construction and mechanization	1		O	3	3			8
5.		*Elective Subject 1*	2		IB	3	3			7
	AU2105AI	*Typology of architectural objects*								
	AU2105BI	*Sustainable rural and urban development*								
6.		*Elective Case 2*	2		IB	3	3			7
	AU2106AI	*Principles of sustainable development in architectural design*								
	AU2106BI	*Principles of sustainable development in urban design*								
7.		*Elective Case 3*	2		IB	3	3			7
	AU2107AI	*Construction heritage, preservation and protection*								
	AU2107BI	*Urban and cultural policy*								
8.	AU2108O	Professional practice	2		O				60	
9.		Master's degree	2		O					7
Total classes						300	300			60

Table 3 Third study cycle

Num.	Code	Case Name	Sam.	Status	P	CHEESE	ESPB
FIRST YEAR							
1.	GA31010	Methodology of scientific research work	1	O	4	2	8
2.	GA31020	Knowledge management	1	O	4	2	8
3.	GA3103AI	*Election Block 1 Subject*	1	IB	3	1	7
4.	*GA31040*	Research work on the selection of topics and literature reviews for doctoral dissertation	1	O	0	4	8
5.	*GA3105AI*	*Election Block 2 Subject*	2	IB	3	1	7
6.	*GA3106AI*	*Elective Block 3 Subject*	2	IB	3	1	7
7.	GA31070	Production and publication of the first scientific work	2	O	0	6	7
8.	*GA31080*	Doctoral Dissertation - Topic 1 Research	2	O	0	6	8
Total classes					255	345	60
SECOND YEAR							
1.	*GA32010*	Manage changes	3	O	4	2	8
2.	GA3202AI	*Election Block Item 4*	3	IB	3	1	7
3.	GA3203AI	*Election Block Case 5*	3	IB	3	1	7
4.	GA32040	Doctoral Dissertation - Topic 2 Research	3	O	0	6	9
5.	GA3205AI	*Election Block Case 6*	4	IB	3	1	7
6.	GA32060	Production and publication of other scientific work	4	O	0	6	8
7.	GA32070	Doctoral Dissertation - Topic 3 Research	4	O	0	10	14
Total classes					195	405	60
THIRD YEAR							
1.	GA33010	Doctoral Dissertation - Topic Research 4	5	O	0	10	14
2.	GA33020	Writing doctoral dissertation (processing of doctoral dissertation data)	5	O	0	10	14
3.	GA33030	Production and publication of the third scientific work	6	O	0	6	9
4.	GA33040	Doctoral Dissertation - Topic Research 5	6	O	0	6	12
5.	GA33050	Defense of doctoral dissertation	6	O	0	8	11
Total classes					0	600	60
Total ESPB							**180**

Election blocks	Objects	Election blocks	Objects
Election Block 1	*Modern urban concepts*	*Election Block 4*	*Principles of sustainable development in architectural design*
	History and theory of architecture		*Public buildings and premises*
	Building economics		*Architectural structures*
	GIS in municipal infrastructure planning		*Strategic information systems in construction*
Election Block 2	*Investment policy*	*Election Block 5*	*Methodology for realizing construction*
	History and theory of urbanism		*Computer mode*
	Design process		*Integrative protection of building heritage*
	Operational research in construction		*Reliability of construction structures*
Election Block 3	*Urban regulation*	*Election Block 6*	*Protection of construction heritage*
	Public spaces and facilities		*Urban design and revitalization process*
	Modern urban concepts		*Experimental and theoretical analysis of structures*
	E-commerce in construction		*Energy-sustainable architecture*

5. CONDITIONS FOR SWITCHING FROM OTHER STUDY PROGRAMMES UNDER THE SAME OR RELATED STUDIO

Students transitioning from another study programme will be recognised as the number of certified semesters, up to six, and the exams passed will be summoned from those teaching subjects that, according to their curriculum, overlap at least 50% with the curriculum of the appropriate subject being studied at the University.

6. METHOD OF SELECTING SUBJECTS FROM OTHER STUDY PROGRAMMES

Based on a written request, students can choose other teaching subjects that are not in the subjects of their study programs, with the total burden of students not crossing 30 hours a week. The choice can only be made by those subjects studied at the University.

7. ENROLLMENT CONDITIONS FOR THE NEXT SEMESTER, I.E. THE FOLLOWING YEAR OF STUDY AND COMPLETION OF THE STUDY

Students enroll the next semester of the same year provided that they lay more than half of the subjects of the previous semester, and if in the previous semester there are subjects covering one part of the material and in the second semester the other part of the material is then obliged to take subjects from the second

semester. Students enroll next year if they passed all exams the previous year or have one subject left or 6 ECTS points.

Students complete the first cycle of study by defending **final work**.

Students complete the second cycle of studies by taking exams provided for in the curriculum and program and defending **the master 's thesis**.

Students complete the third cycle of studies by taking exams provided for in the curriculum and program and defending **doctoral dissertation**.

8. HOW TO PERFORM STUDIES AND HOW TO VERIFY KNOWLEDGE FOR EACH SUBJECT

The way studies are performed on all cycles (I, II and III) is performed by semetry where students attend and actively participate in lectures and exercises, and the active fund of lecture and exercise classes is shown in Tables 1, 2 and 3.

The way knowledge is checked for each subject is continuously monitored during the teaching and processing of these teaching subjects. When determining the final assessment for teaching subjects or the activity of students to be evaluated, the evaluator is obliged to evaluate the results of the total work of the student during the processing of teaching subjects, i.e. the not only the knowledge and skills that students have acquired and learned during the processing of teaching subjects, but also the results of students achieved in all forms of educational and pedagogical work, which are planned and performed for teaching subjects including the assessment of students' activities and interactions in lectures, exercises, colloquiums, seminars, workshops round tables and other forms of teaching and pedagogical work.

The height of the score depends on the points collected that are collected throughout the course of lectures and exercises, and as follows:

1. TEST 1 - first colloquium (first 50% material):	**20 points**
2. TEST 2 - second colloquium (other 50% material):	**20 points**
3. TEST 3 - final exam (total material):	**20 points**
4. LECTURE - presence:	**5 points**
5. LECTURE - active participation:	**5 points**
6. EXERCISES - presence:	**5 points**
7. EXERCISES - seminar work:	**10 points**
8. EXERCISE - oral presentation of another topic:	**5 points**
9. EXERCISE - essay or case study:	**10 points**
TOTAL:	**100 points**

Student scans are carried out in accordance with the number of points collected, as follows:

RATINGS	RATING	NUMBER OF POINTS	DESCRIPTORY ASSESSMENT
F	5	**0-54**	**Insufficient**
E	6	**55-64**	**Enough**
D	7	**65-75**	**Nice one**
C	8	**75-84**	**Very good**
B	9	**85-94**	**Great**
A	10	**95-100**	**Exceptional-excellent**

Exams are taken successfully, in writing or orally and in writing, i.e. practically.

If provided for in the Curriculum, due to the specificity of the subject, knowledge verification is organized in several partial tests during the processing of the teaching subject. In this case, the final assessment of the student is formed on the basis of the results of all partial tests and other knowledge checks or points collected.

9. OTHER ISSUES OF IMPORTANCE FOR THE PERFORMANCE OF THE STUDY PROGRAMME

The curriculum also determines the category of exercises (KV). The exercise categories will be marked with a number of 1-5:

Rb.	Type - structure of exercises	Number of students
1.	For art academies in teaching subjects in the arts.	3
2.	For clinical teaching subjects in faculties/higher schools of medical sciences, certain teaching subjects in faculties of technical sciences, professional subjects in art academies and teaching subjects of teaching methods in faculties/higher schools of humanities and social sciences.	5
3.	For preclinical curricula of medical sciences (sectional-autopsy exercises; anatomy, pathology, forensic medicine): teaching subjects with field exercises that require supervision of the student and instructions of an expert associate.	10
4.	For teaching subjects with laboratory and experimental exercises.	15
5.	For teaching subjects with auditory and field exercises.	25