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

After completing the four-year studies of the first cycle of studies (240 ECTS) on the study programme: Renewable energy sources, academic vacationist and generic of **renewable energy sources** and degree of professional training are reached: **VII/1**.

At the end of the second cycle of studies (60 ECTS) lasting one year, the academic vocation of the **Master** of **Renewable Energy sources** and the degree of professional storage: **VII/2**.

At the end of the third cycle of studies (180 ECTS) lasting three years, the academic vocation of the **Doctor** of **Science from** Renewable **Energy Sources** and the degree of professional storage: **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 NEEDED TO REALISE THEM

View Table 1, 2 and 3.

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

Table 1 First cycle of studies - Study programme: Renewable energy sources

Num.	Code		Case Name	Sam.	Guy	Status	Act	ive clas	sses	Else	ESPB
Num.	Code					Status	Р	V	KV	Class	LOID
FIRST YEAR											
1.	OE11010	Math		1		0	2	2	5		6
2.	OE11020		hic engineering	1		0	2	2	5		6
3.	OE11030	Technical physics		1		0	2	2	4		6
4.	OE11040	Busir	ness English 1	1		0	2	2	5		6
5.			tive Subject 1	1		IB	2	2	5		6
	OE1105	iΑl	Business ethics								
	OE1105	BI	Software tools for statistics								
6.	OE11060	Tech	nical mechanics 1	2		0	2	2	5		6
7.	OE11070	Math	2	2		0	2	2	5		6
8.	OE11080	Infor	matics	2		0	2	2	5		6
9.	OE11090	Busir	ness English 2	2		0	2	2			6
10.		Elect	tive Case 2	2		IB	2	2	5		6
	OE1110)AI	Sociology								
	OE1110	BI	Management								
Total cla	asses						300	300			60
			SECO	OND YEA	.R						
1.	OE12010	Tech	nical mechanics 2	3		0	2	2	5		6
2.	OE12020	Mate	rial resistance	3		0	2	2	4		6
3.	OE12030	Mach	nine elements	3		0	2	2	4		6
4.	OE12040	Busir	ness English 3	3		0	2	2	5		6
5.		Elect	tive Case 3	3		IB	2	2	5		6
	OE1205	Αl	The basis of the economy								
	OE1205	iBl	Human Resources Management								
6.	OE12060	ICT i	n energy	4		0	2	2	5		6
7.	OE12070	Ecos	ystem technologies	4		0	2	2	5		6
8.	OE12080		onmental engineering	4		0	2	2	5		6
9.	OE12090		ness English 4	4		0	2	2	5		6
10.			tive Case 4	4		IB	2	2	5		6
	OE1210		Renewable energy sources								
	OE1210	BI	Project Management								
Total cla	asses			1	ı		300	300			60
			THII	RD YEAR	₹						
1.	OE13010	Ther	modynamics	5		0	2	2	4		6
2.	OE13020		mechanics	5		0	2	2	4		6
3.	OE13030		mo technical measurements	5		0	2	2	4		6
4.	OE13040		ness English 5	5		0	2	2	5		6
5.			tive Case 5	5		IB	2	2	5		6
	OE1305		Fossil energy								
	OE1305		Heat transfer								
6.	OE13060		mo energy plants	6		0	2	2	5		6
7.	OE13070		opower plants	6		0	2	2	5		6
8.	OE13080		ps and fans	6		0	2	2	5		6
9.	OE13090		ness English 6	6		0	2	2	5		6
10.	11.0000	Elective Case 6		6		IB	2	2	5		6
	OE1310		Cooling devices				_	_			
	OE1310		Heat pumps			1					
Total cla			ac pampo	1	l	<u> </u>	300	300			60
i otal ola	20000						500	500			50

Num.	Code		Case Name	Sam.	Guy	Status	Act	tive classes		Else	6 6 6 6 6
Nulli.	Code		Case Name	Saiii.	Guy	Status	Р	V	KV	Class	ESFB
	FOURTH YEAR										
1.	OE14010	Ener	gy sources and environment	7		0	2	2	5		6
2.	0E14020	Sun	energy and PCs	7		0	2	2	5		6
3.	OE14030	Sola	r heat systems	7		0	2	2	5		6
4.	OE14040	Bion	nass energy	7		0	2	2	5		6
5.		Elective Case 7		7		IB	2	2	5		6
	OE1405Al Solar power plants										
	OE1405Bl Biofuel and biogas		Biofuel and biogas								
6.	OE14060	Geo	thermal energy	8		0	2	2	5		6
7.	OE14070	Wind	farms	8		0	2	2	5		6
8.	OE14080	Fuel	cells	8		0	2	2	5		6
9.		Elec	tive Case 8			IB	2	2	5		6
	OE1409/	ΑI	Mini hydropower plants	8							
	OE1409Bl From waste to energy		8								
10.	OE14100	Profe	essional practice	8		0				60	
11.	Graduate work		8		0					6	
Total cla	asses				•		300	300			60

Table 2 Second study cycle

Num.	Code	Code Case Name	Com	Guy	Status	Active classes			Else	ESPB	
Num.	Code	Case Name				Sam.	Р	٧	KV	Class	ESPB
1.	OE21010	Meth	ods and techniques of research	1		0	3	3	5		8
2.	OE21020	Proje	ect Management	1		0	2	2	5		4
3.	OE21030	Reer	ngineering	1		0	3	3	5		8
4.	OE21040	Integ	ral quality management systems	1		0	3	3	5		8
5.		Elec	tive Subject 1	2		IB	3	3	5		7
	OE2105	AI	Renewable energy sources and their use								
	OE2105	BI	Solar energy								
	OE2105CI		Geothermal energy								
6.	Elec		tive Case 2	2		IB	3	3	5		7
	OE2106	Al	Photo charge systems								
	OE2106	BI	Wind energy								
	OE2106	CI	Biomass energy								
7.		Elec	tive Case 3	2		IB	3	3	5		7
	OE2107	Al	Advanced solar heat systems								
	OE2107	BI	Heat pumps in conjunction with solar systems								
	OE2107	BI	Mini hydropower plants								
8.	OE21080	Profe	essional practice	2		0				60	
9.	Master's degree		2		0					11	
Total cla	asses					1	300	300			60

Table 3 Third study cycle

Table 3 Third study cycle								
Num.	Code	Case Name	Sam.	Status	Р	CHEESE	ESPB	
		FIRST YEAR						
1.	OE31010	Methodology of scientific research work	1	0	4	2	8	
2.	OE31020	Knowledge management	1	0	4	2	8	
3.		Election Block 1 Subject	1	IB	3	1	7	
	OE3103AI	Global climate change, the importance of ghg cycles						
	OE3103BI	Transport technologies based on renewable energy sources						
	OE3103CI	Modern technologies of solar energy use						
4.	OE31040	Research paper on the selection of topics and overheating of literature for doctoral dissertation	1	0	0	4	8	
5.		Election Block 2 Subject	2	IB	3	1	7	
	OE3105AI	Optimization of ecotechnology processes						
	OE3105BI	Modern wind energy use technologies						
	OE3105CI	Sustainable waste management						
6.		Elective Block 3 Subject	2	IB	3	1	7	
	OE3106AI	Fuel cells						
	OE3106BI	Heat and mass transfer phenomena						
	OE3106CI	Modern biomass energy systems						
7.	OE31070	Production and publication of the first scientific work	2	0	0	6	7	
8.	OE31080	Doctoral Dissertation - Topic 1 Research	2	0	0	6	8	
Total cla	sses	-		I	255	345	60	
		SECOND YEAR						
1.	OE32010	Manage changes	3	0	4	2	8	
2.		Election Block Item 4	3	IB	3	1	7	
	OE3202AI	Passive solar systems						
	OE3202BI	Geothermal energy for heating and electricity generation purposes						
	OE3202CI	Modern utility, industrial and hazardous waste management systems						
3.		Election Block Case 5	3	IB	3	1	7	
	OE3203AI	Zero Emission Network Strategy (MNE)						
	OE3203BI	Environmental protection of thermal energy plants						
	OE3203CI	Modelling energy intensity and carbon dioxide emissions						
4.	OE32040	Doctoral Dissertation - Topic 2 Research	3	0	0	6	9	
5.		Election Block Case 6	4	IB	3	1	7	
	OE3205AI	Perspectives of renewable energy sources and the environment						
	OE3205BI	Modern technologies of using solar energy for heating and cooling						
	OE3205CI	Modern production of biogas from primary agricultural production						
6.	OE32060	Production and publication of other scientific work	4	0	0	6	8	
7.	OE32070	Doctoral Dissertation - Topic 3 Research	4	0	0	10	14	
Total cla	sses				195	405	60	
		THIRD YEAR		1				
1.	OE33010	Doctoral Dissertation - Topic Research 4	5	0	0	10	14	
2.	OE33020	Writing doctoral dissertation (processing of doctoral dissertation data)	5	0	0	10	14	
3.	OE33030	Production and publication of the third scientific work	6	0	0	6	9	
4.	OE33040	Doctoral Dissertation - Topic Research 5	6	0	0	6	12	
5.	OE33050	Defence of doctoral dissertation	6	0	0	8	11	
Total cla	sses				0	600	60	
Total ES	PB						180	

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. HOW TO SELECT 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. CONDITIONS OF ENROLLMENT IN THE NEXT SEMESTER, I.E. THE FOLLOWING YEAR OF STUDY AND COMPLETION OF STUDI

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. WAY 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

The assessment of students is 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
С	8	75-84	Very good
В	9	85-94	Great
And	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