Faculty	**Engineering in Foreign Languages**
Field	**Civil engineering**
Specialization	**Civil engineering**
Study period	**4 years**
Education form	**Civil Engineer** **Full-time instruction in ENGLISH**
Code	**U02.07.ICV.IZ.L16**

STUDY PROGRAMME

Notations:

C- course
S- seminar;
L- laboratory
P- project
IS- individual study
TH- total hours per week
CR- ECTS credits granted
E- exam
Co- colloquy
P/F- Passed / Failed

1st Year

1st Semester – 30 ECTS (14 weeks)

No.	Name of the course	Course Code	C	S	L	P	IS	TH	CR	Exam form
1	Linear algebra and Analytical geometry	1.DF.OB01	3	2			3	8	5	E
2	Analysis I	1.DF.OB02	2	2			2	6	5	E
3	Descriptive geometry	1.DF.OB03	2	2			2	6	5	E
4	Chemistry	1.DF.OB04	2		1		2	5	4	E
5	Computer science	1.DF.OB05	1		2		2	5	4	Co
6	Surveying	1.DD.OB06	2		2		2	6	5	E
7	Humanity course I	1.DC.OB07	1	1				2	1	Co
8	Foreign language I	1.DC.OB08		2				2	1	Co
9	Physical education	1.DC.OB09		(2)				(2)		
TOTAL Contact hours/week = 27			**13**	**9**	**5**	**0**	**13**	**40**	**30**	**5E+3Co**
10	Second foreign language I	1.DC.FC01		2			1	3	2	Co
11	Culture and civilization I	1.DC.FC02	2				1	3	2	Co

2nd Semester – 30 ECTS (14 weeks + 2 weeks)

1	Differential and with partial derivates equations	2.DF.OB10	2	2			2	6	5	E
2	Analysis II *)	2.DF.OB11	2	2			2	6	5	E
3	Physics I	2.DF.OB12	2	1	1		2	6	3	Co
4	Mechanics I *)	2.DD.OB13	2	2			2	6	5	E
5	Civil engineering materials	2.DD.OB14	3		2		2	7	5	E
6	Engineering graphics	2.DF.OB15			3		2	5	2	Co
7	Humanity course II	2.DC.OB16	1	1				2	1	Co
8	Foreign language II	2.DC.OB17		2				2	1	Co
9	Physical education I	2.DC.OB18		(2)				(2)	1	P/F
TOTAL Contact hours/week = 28			**12**	**10**	**6**	**0**	**12**	**40**	**28**	**4E+4Co+P/F**
10	Surveying practice	2.DD.OB19	2 weeks x 30 hours / week						**2**	**Co**
								TOTAL Credits	**30**	**4E+5Co+P/F**
11	Second foreign language II	2.DC.FC03		2			1	3	2	Co
12	Culture and civilization II	2.DC.FC04	2				1	3	2	Co

***) COMPULSORY courses for passing from the 1st to the 2nd year of study**

2nd Year

3rd Semester – 30 ECTS (14 weeks)

No.	Name of the course	Course Code	C	S	L	P	IS	TH	CR	Exam form
1	Physics II **)	3.DF.OB20	2	1	1		2	6	6	E
2	Computer aid drawing	3.DD.OB21	2		2		2	6	6	Co
3	Mechanics II **)	3.DD.OB22	3	3			2	8	6	E
4	Strength of materials I	3.DD.OB23	3	2	1		3	9	6	E
5	Engineering geology	3.DD.OB24	2		1		2	5	3	E
6	Architecture and urban planning	3.DD.OB25	2				2	4	2	Co
7	Foreign language III	3.DC.OB26		2				2	1	Co
8	Physical education	3.DC.OB27		(2)				(2)		
TOTAL Contact hours/week = 27			**14**	**8**	**5**	**0**	**13**	**40**	**30**	**4E+3Co**
9	Second foreign language III	3.DC.FC05.		2			1	3	2	Co
10	Construction history I	3.DC.FC06.	2				1	3	2	Co

4th Semester – 30 ECTS (14 weeks)

1	Structural analysis I	4.DD.OB28	3	2			3	8	6	E
2	Hydraulics	4.DD.OB29	2		2		3	7	6	E
3	Strength of materials II **)	4.DD.OB30	4	2	1		3	10	6	E
4	Reinforced and prestressed concrete I	4.DD.OB31	2		1		4	7	6	E
5	Foreign language IV	4.DC.OB32		2				2	1	Co
6	Physical education II	4.DC.OB33		(2)				(2)	1	P/F
7 (EC I)	Sanitary engineering	4.DD.OP01	2		1		3	6	4	Co
	Enterprise economic and law	4.DD.OP02								
TOTAL Contact hours/week = 24			**13**	**6**	**5**	**0**	**16**	**40**	**30**	**4E+2Co+P/F**
8	Second foreign language IV	4.DC.FC07		2			1	3	2	Co
9	Construction history II	4.DC.FC08	2				1	3	2	Co

****) COMPULSORY courses for passing from 2nd to 3rd year of study**

3rd Year

5th Semester – 30 ECTS (14 weeks)

No.	Name of the course	Course Code	C	S	L	P	IS	TH	CR	Exam form
1	Soil mechanics	5.DD.OB34	3		2		2	7	5	E
2	Structural analysis II***)	5.DD.OB35	2	1	2		3	8	6	E
3	Reinforced and prestressed concrete II	5.DD.OB36	2		2		2	6	5	E
4	Finite Element Method introduction	5.DD.OB37	2		2		2	6	4	Co
5	Building design I	5.DD.OB38	2		2		3	7	5	E
6 (EC II)	Masonries structures	5.DS.OP03	2		2		2	6	5	E
	Wood structures	5.DS.OP04								
TOTAL Contact hours/week = 26			**13**	**1**	**12**	**0**	**14**	**40**	**30**	**5E+1Co**
7	Elasticity and plasticity I	5.DD.FC09	2	1			1	4	3	Co
8	Statistics I	5.DD.FC10	2	1			1	4	3	Co

6th Semester – 30 ECTS (14 weeks + 3 weeks)

1	Reinforced concrete structures I	6.DS.OB39	4				1	5	3	E
2	Reinforced concrete structures I – Pr.	6.DS.OB40				3	2	5	3	P
3	Building design II	6.DS.OB41	4				1	5	3	E
4	Building design II – Pr.	6.DS.OB42				3	2	5	3	P
5	Foundation engineering	6.DD.OB43	3				1	4	3	E
6	Foundation engineering – Pr.	6.DD.OB44				2	2	4	2	P
7	Steel structures I	6.DD.OB45	2		2		2	6	4	E
8	Dynamics and Earthquake engineering introduction	6.DD.OB46	3		2		1	6	4	E
TOTAL Contact hours/week = 28			**16**	**0**	**4**	**8**	**12**	**40**	**25**	**5E+3P**
9	Practical stage	6.DD.OB47	3 weeks x 40 hours / week						**5**	**Co**
								TOTAL Credits	**30**	**5E+3P+1Co**
10	Elasticity and plasticity II	6.DD.FC11	2	1			1	4	3	Co
11	Statistics II	6.DD.FC12	2	1			1	4	3	Co

*****) COMPULSORY course for passing from 3-rd to 4-th year of study**

4th Year

7th Semester – 30 ECTS (14 weeks)

No.	Name of the course	Course Code	C	S	L	P	IS	TH	CR	Exam form
1	Steel structures II	7.DS.OB48	4					4	4	E
2	Steel structures II - Pr.	7.DS.OB49				3	1	4	4	P
3	Structural reliability and risk analysis	7.DS.OB50	2	1			1	4	4	E
4	Construction engineering I	7.DS.OB51	2		1		2	5	4	E
5	Computer methods in civil engineering	7.DF.OB52	2		2		2	6	4	Co
6	Construction management I	7.DD.OB53	2		1		2	5	4	E
7 (EC III)	Equipment for buildings	7.DD.OP05	2		1			3	2	Co
	Transport engineering	7.DD.OP06								
8 (EC IV)	Environmental engineering	7.DD.OP07	2		1		1	4	2	Co
	Construction machines	7.DD.OP08								
9 (EC V)	Composites and associated materials	7.DS.OP09	3		1		1	5	2	Co
	Traditional and modern finishing works for buildings	7.DS.OP10								
TOTAL Contact hours/week = 30			**19**	**1**	**7**	**3**	**10**	**40**	**30**	**4E+1P+4Co**
10	Marketing	7.DC.FC13	2				1	3	2	Co
11	3D Computer aid drawing	7.DC.FC14		2			1	3	2	Co

8th Semester – 30 ECTS (10 weeks + 4 weeks)

1	Construction engineering II	8.DS.OB54	3				1	4	3	E
2	Construction engineering II - Pr.	8.DS.OB55				3	1	4	3	P
3	Construction management II	8.DD.OB56	3				1	4	3	E
4	Construction management II - Pr.	8.DD.OB57				3	1	4	2	P
5	Diploma Project work	8.DS.OB58				3	4	7	5	Co
6 (EC VI)	Special foundation works	8.DS.OP11	3		2		1	6	3	Co
	Underground works	8.DS.OP12								
7 (EC VII)	Reinforced concrete structures II	8.DS.OP13	4					4	3	E
	Steel structures III	8.DS.OP14								
	Building design III	8.DS.OP15								
8 (EC VIII)	Reinforced concrete structures II - Pr.	8.DS.OP16				4	3	7	3	P
	Steel structures III - Pr.	8.DS.OP17								
	Building design III - Pr.	8.DS.OP18								
TOTAL Contact hours/week = 28			**13**	**0**	**2**	**13**	**12**	**40**	**25**	**3E+3P+2Co**
9	Diploma Project practical stage	8.DS.OB59	4 weeks x 30 hours / week						5	Co
TOTAL Credits									**30**	**3E+3P+3Co**
Diploma Project Defence*)		**8.DS.OB60**							**10**	**E**

***) The total of 240 credits is compulsory for the Diploma Project defence**