

**CURRICULUM**  
Academic year 2012/2013

		1st YEAR				2nd YEAR				3rd SEMESTER				4th SEMESTER			
1.	Mathematics1	Mathematics3				1.	Mechanics of Materials1				Mechanics of Materials2						
	E 4 28 28 0 0 DF 60	E 4 28 28 0 0 DF 60	E 4 28 28 0 0 DF 60	E 4 28 28 0 0 DF 60	E 5 28 28 0 0 DD 50		E 5 28 28 14 0 DD 60										
2.	Mathematics2	Mathematics4				2.	Electrical Eng. Fundamentals and Introduction in Thermodynamics				Microeconomics						
	E 4 28 28 0 0 DF 60	E 4 28 14 14 0 DF 60	E 4 28 14 14 0 DF 60	E 4 28 14 14 0 DF 60	D 3 28 14 0 0 DD 50		D 4 28 28 0 0 DF 42										
3.	Surveying (Geodesy)	Material Science1				3.	Fluid Mechanics and Machines				Basis of Structural Design						
	E 4 28 0 28 0 DF 60	E 4 28 0 28 0 DD 60	E 4 28 0 28 0 DD 60	E 4 28 0 28 0 DD 60	E 4 28 14 14 0 DD 50		E 4 28 0 0 28 DS 60										
4.	General Chemistry	Mechanics				4.	Material Science II (Building Materials)				Introduction to Environmental Engineering						
	E 5 28 0 28 0 DF 60	E 4 28 0 28 0 DD 60	E 4 28 0 28 0 DD 60	E 4 28 0 28 0 DD 60	E 4 28 0 28 0 DS 60		D 2 28 0 0 0 DD 42										
5.	Introduction to Computer Programming	Physics				5.	Engineering Geology				Building Physics						
	D 4 28 0 28 0 DF 60	E 5 42 14 14 0 DF 60	E 5 42 14 14 0 DF 60	E 5 42 14 14 0 DF 60	E 3 28 0 14 0 DD 60		E 4 28 14 14 0 DD 60										
6.	Culture and Civilization	Applied Computer Programming				6.	Engineering Graphics				Structural Analysis 1						
	D 2 14 14 0 0 DF 42	D 4 28 0 28 0 DF 42	D 4 28 0 28 0 DF 42	D 4 28 0 28 0 DF 42	D 4 28 0 28 0 DD 60		E 4 28 28 0 0 DD 60										
7.	Second language1	Second language2				7.	Architecture for Engineers				Highway and Traffic Engineering						
	D 2 0 28 0 0 DC 42	D 2 0 28 0 0 DC 42	D 2 0 28 0 0 DC 42	D 2 0 28 0 0 DC 42	D 2 28 0 0 0 DD 60		D 2 14 14 0 0 DD 28										
8.	Sport1	Sport2				8.	Second language3				Engineering Ethics and Communication						
	D 1 0 14 0 0 DC 28	D 1 0 14 0 0 DC 42	D 1 0 14 0 0 DC 42	D 1 0 14 0 0 DC 42	D 2 0 28 0 0 DC 42		D 2 14 14 0 0 DC 28										
9.	Experimental data processing	Practical training (45 hours)				9.	Sport3				Sport4						
	D 2 14 0 14 0 DD 28	D 2 0 0 0 0 DD 28	D 2 0 0 0 0 DD 28	D 2 0 0 0 0 DD 28	D 1 0 14 0 0 DC 28		D 1 0 14 0 0 DC 28										
10.	Practical training (45 hours)	Practical training (45 hours)				10.	Practical training (45 hours)				Practical training (45 hours)						
	C 2 0 0 0 DD 28	C 2 0 0 0 DD 28	C 2 0 0 0 DD 28	C 2 0 0 0 DD 28	C 2 0 0 0 DD 28		C 2 0 0 0 DD 28										
total / semester	hours: 378	VPI 412	hours: 392	VPI 222	total / semester	hours: 378	VPI 210	hours: 392	VPI 190								
total / semester	credits: 30	evaluations:4E, 5 9	credits: 30	evaluations: 5E, 3D, 1C 9	total / semester	credits: 30	evaluations:4E, 5D, 1C 10	credits: 30	evaluations:4E, 5D, 1C 10								
total / week	hours: 27	hours: 28	hours: 27	hours: 28	total / week	hours: 27	hours: 28	hours: 27	hours: 28								
total / week	distribution: 12 8 7 0	(c, s, l, p) distribution: 13 7 8 0	distribution: 12 8 7 0	(c, s, l, p) distribution: 13 7 8 0	total / week	distribution: 14 7 6 0	(c, s, l, p) distribution: 14 10 2 2	distribution: 14 10 2 2	(c, s, l, p) distribution: 14 10 2 2								

**OPTIONAL SUBJECTS I (Program of psychopedagogical study)**

1st YEAR										2nd YEAR														
1st SEMESTER					2nd SEMESTER					3rd SEMESTER					4th SEMESTER									
1.	Education psychology					Pedagogy I (Basic pedagogy; Theory and methodology of curriculum)					1.	Pedagogy II (Theory and methodology of training; Theory and methodology of evaluation)					Didactics of speciality							
	E	5	28	28	0	0	DF	60	E	5		28	28	0	0	DF	60	E	5	28	28	0	0	DF
											2.	Education psychology *					Pedagogy I* (Basic pedagogy; Theory and methodology of curriculum)							
	E	5	28	28	0	0	DF	60	E	5		28	28	0	0	DF	60	E	5	28	28	0	0	DF
total / semester	hours:	56			VPI	60	hours:	56			VPI	60	hours:	112			VPI	120	hours:	112			VPI	120
	credits:	5			Evaluations:	1	credits:	5			Evaluations:	1E	1	credits:	10			Evaluations:	2	credits:	10			Evaluations:
total / week	hours:	4			hours:	4			hours:	8			hours:	8										
	distribution:	2	2	0	0	(c, s, l, p)	distribution:	2	2	0	0	(c, s, l, p)	distribution:	4	4	0	0	(c, s, l, p)	distribution:	4	4	0	0	(c, s, l, p)

\* The subjects entitled "Education psychology" and "Pedagogy I" shall be chosen only by the students who did not attend these during the first year.

Legend									
<b>Table Structure</b>					<b>Example</b>				
<b>Name of the Subject</b>									
FE	nc	c	s	l	p	CF	VPI		
<b>CF may become</b> : DC, DD, DF, DS <b>FE may become</b> : C, D, E, P-D, P-E c - course C - colocvium (form of evaluation devoted exclusively to subject) CF - formativ category to which the subject belongs D - distribued evaluation DC - complementary subject DD - subject in the field DF - fundamental subject DS - speciality subject					E - exam FE - forms of evaluation l - laboratory nc - number of credits p - project P - D - autonomous project with examination similar to subjects with distributed examination P - E - autonomous project with examination similar to subjects with exam s - seminary VPI - number of hours necessary to individual preparation				
(*) -optional subjects activated in academic year 2012 / 2013									

**RECTOR,**  
**Prof.dr.Ing. Viorel-Aurel SERBAN**