

PLAN OF STUDIES

1st YEAR, SEMESTER 1

Compulsory courses:

No.	Code	Subject/Module	Contact hours/week					CHS	TSW	ECTS	Form of assessment
			l	t	lab	p	s				
1	CEB3161	Computer aided engineering			2			30	60	2	T
2	CEB5061	Geoengineering – foundations	2			2		60	120	5	T/T
3	CEB3361	Concrete structures	3			2		75	150	5	E/T
4	CEB3461	Metal structures	3			2		75	150	5	E/T
5	CEB3561	Structural mechanics	2	2	1			75	150	5	E/T/T
6	CEB5161	Theory of elasticity and plasticity	2	1				45	90	4	T/T
7	CEB3761	Mathematics	2	1				45	120	4	E/T
TOTAL			14	4	3	6	0	405	840	30	

1st YEAR, SEMESTER 2

Compulsory courses:

No.	Code	Subject/Module	Contact hours/week					CHS	TSW	ECTS	Form of assessment
			l	t	lab	p	s				
1	CEB3862	Hydraulics in civil engineering	2			2		60	90	3	T/T
2	CEB3962	Underground structures – urban infrastructure	2			2		60	120	4	E/T
3	CEB4062	Railways	2			2		60	120	4	T/T
4	CEB4162	Roads, streets and airports	2			2		60	120	4	T/T
5	CEB4262	Bridges	2			2		60	120	4	E/T
6	CEB5262	Construction techniques and processes	1			2		45	90	4	E/T
7	CEB4462	Apartment building	2			1		45	90	4	E/T
8	CEB5362	Computational mechanics	1		2			45	90	3	T/T
TOTAL			14	0	2	13	0	435	840	30	

2nd YEAR, SEMESTER 3

Compulsory courses:

No.	Code	Subject/Module	Contact hours/week					CHS	TSW	ECTS	Form of assessment
			l	t	lab	p	s				
1	CEB4763	Construction project management	2					30	60	2	T
2	CEB	Optional courses I	1		1			30	60	2	T/T
3	CEB	Optional courses II	1			1		30	90	2	T/T
4	CEB4663	Master thesis tutorial		2				30	120	4	T
5	CEB9963	Master thesis				8		120	600	20	E
TOTAL			4	2	1	9	0	240	930	30	

Optional courses I// *Choose one from module 1*

No.	Code	Subject/Module	Contact hours/week					CHS	TSW	ECTS	Form of assessment
			l	t	lab	p	s				
1	CEB6063	Artificial intelligence in civil engineering	1		1			30	60	2	T/T
2	CEB6163	Modern testing methods for non-destructive inspection of building structures	1		1			30	60	2	T/T
3	CEB6263	Building physics	1		1			30	60	2	T/T
4	CEB6363	Hydrology for engineers	1		1			30	60	2	T/T
5	CEB6463	Dynamics	1		1			30	60	2	T/T

Optional courses II// *Choose one from module 2*

No.	Code	Subject/Module	Contact hours/week					CHS	TSW	ECTS	Form of assessment
			l	t	lab	p	s				
1	CEB6563	Pre-stressed concrete structures	1			1		30	90	2	T/T
2	CEB6663	Timber structures	1			1		30	90	2	T/T

3	CEB6763	Conservation and strengthening of monumental heritage structures	1			1		30	90	2	T/T
4	CEB6863	Effective properties of composites – introduction to micro-mechanics	1			1		30	90	2	T/T
5	CEB6963	Methods of applied statistics (geostatistics)	1			1		30	90	2	T/T