

II. CURRICULUM

ECTS Subject code **T EE No**

- **T** – type of course: **B** for BEng, **M** for MEng;
- **EE** – “Electrical Engineering”;
- **No** – subsequent number of the subject;

Lectures (L), tutorials (Tut.), labs (Lab.) weekly; exam (E), continuous assessment (CA); semester projects (SP)/semester assignment (course work) (SA)

No	Subject	Week load						Assessment				ECTS subject code	ECTS credits
		L	Tut	Lab.	Class-room work	Self study	Total	E	CA	SP	SA		

SEMESTER I

1	Quality Management	2	2	0	4	5	9		1			MEE01	6
2	Numerical methods and modeling of circuits	2	0	2	4	5	9	1				MEE02	6
3	Introduction to informatics	0	0	2	2	3	5		1			MEE03	3
4	Optional subject 1 (from List 1)	2	0	2	4	5	9	1				MEE04	5
5	Optional subject 2 (from List 2)	2	0	2	4	5	9	1				MEE05	5
6	Optional subject 3 (from List 3)	2	0	2	4	5	9	1		1		MEE06	5
Total		10	2	10	22	28	50	4	2	1			30

SEMESTER II

7	Numerical methods and modeling of fields	2	0	2	4	7	11	1				MEE07	7
8	High voltage electric machines and apparatus	2	0	2	4	6	10	1			1	MEE08	6
9	Measurement tools and systems	2	0	2	4	6	10	1				MEE09	7
10	Optional subject 4 (from List 4)	2	0	2	4	6	10	1				MEE10	5
11	Optional subject 5 (from List 5)	2	2	0	4	5	9		1			MEE11	5
Total		10	2	8	20	30	50	4	1		1		30

SEMESTER III

12	Diploma project	Diploma project defense										MEE12	15
Total													15

LISTS OF OPTIONAL SUBJECTS

List 1 (ECTS credits =5)		
1	Protection of electrical equipment	MEE04.1
2	European standards in electrical engineering	MEE04.2

List 2 (ECTS credits =5)		
1	Transient processes in electric power grids and electric power systems	MEE05.1
2	Design of converters	MEE05.2
3	Building automation equipment	MEE05.3

List 3 (ECTS credits =5)		
1	Vector control of electrical machines	MEE06.1
2	Computer simulation of processes and electrical systems with commutation	MEE06.2
3	Electric power supply and equipment	MEE06.3
4	Engineering optimization methods	MEE06.4

List 4 (ECTS credits =5)		
1	Special electric machines and apparatus	MEE10.1
2	Electronic devices in transport	MEE10.2
3	Special construction and electrical materials	MEE10.3

List 5 (ECTS credits =5)		
1	Industrial legislation	MEE11.1
2	Marketing	MEE11.2