TECHNICAL UNIVERSITY OF VARNA



Ratified by:	
Rector	

/Prof. Rosen Vasilev, DSc/

CURRICULUM

Professional orientation: **ENERGETICS**

Educational and qualification degree: MASTER

Programme: ELECTRIC POWER SUPPLY AND ELECTRICAL EQUIPMENT IN INDUSTRY

Professional qualification: MASTER - ENGINEER

Mode of study: FULL - TIME

Length of study: 1,5 years / 3 semesters

For holders of educational and qualificational degree "Bachelor" and "Master" in specialities of professional orientation 5.2. Electrical Engineering, Electronics and Automation and 5.4 Energetics (with professional qualification "Electrical Engineer") and in speciality "Electrical Equipment Of Ships" from 5.5 Transport, Navigation and Aviation.

	Subject Name	Forms of assessment				Weekly auditorium							ıts	
Number							load Seminars			ses		d loac	studer	dits
		Exams	Inter-semester Evaluation	Course project	Accepted	Lectures	Seminar Exercises	Course project	Assignment	Laboratory Exercises	Total load	Unsupervised load	Whole load of students	ECTS credits
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Specialized Course in Theoretical Electrical Engineering	*				30	15			15	60	105	165	6
2	CAD Systems in Electrical Power Supply and Electrical Equipment		*			30				30	60	90	150	5
3	Measurement and Control in Electric Power Supply Systems	*				30				30	60	120	180	6
4	Transient Processes in Electrical Equipment of Industrial Enterprises	*				30				30	60	135	195	7
5	Lighting Systems Control	*				30				30	60	105	165	6
	Total for the 1 semester:	4	1	0	0	150	15	0	0	135	300	555	855	30
6	Electrical Energy Efficiency	*				30				30	60	135	195	7
7	Quality of Electrical Power Supply	*				30	15			15	60	135	195	7
8	Reliability and Optimization of Electtric Power Supply	*				30	15			15	60	150	210	8
9	Electromagnetic Compatibility in Industrial Enterprises	*				30	15			15	60	150	210	8
	Total for the 2 semester:	4	0	0	0	120	45	0	0	75	240	570	810	30
10	Pre-graduation Practice				*						0	120	120	4
	Total for the 3 semester:	0	0	0	1	0	0	0	0	0	0	120	120	4
	Totals for the whole course of education	8	1	0	1	270	60	0	0	210	540	1245	1785	64

		Forms of assessment				Weekly auditorium load						ad	ents	
Number	Subject Name		٠	- #	#		Seminars		rs	ses		ed load	students	dits
		Exams	Inter-semester Evaluation	Course project	Accepted	Lectures	Seminar Exercises	Course project	Assignment	Laboratory Exercises	Total load	Unsupervised	Whole load of	ECTS credits
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Facultative Subjects													
1	Nanostructures and Nanotechnologies	3				30				30	60	120	180	6
2	Generalized Theory of Electrical Machines	3				30				30	60	120	180	6

Types of graduation	Semester	Unsupervised load	ECTS credits
Preparation of Diploma Thesis	2	450	15
Defense of Diploma Thesis	3	450	15

Note:

The study of optional subjects is a prerequisite for applying in The Chamber of Engineers in the Investment Design, to acquire designer competence.

Approved by the Academic Board of TU-Varna:

Protocol № 29 / 26.03.2018

Modified with Protocols: № 34 / 29.10.2018 Valid from 2018/2019 academic year

The weekly plan of the lessons is fixed according to the Academic Board "Structure of the Learning Process" adopted for the current academic year.

Head of Department:

/Assoc. Prof. V. Gyurov/

Dean of Faculty:

/Assoc. Prof. M. Yordanova, PhD/