



## TECHNICAL UNIVERSITY OF VARNA

**Ratified by:**

**Rector** .....

/Prof. Rosen Vasilev, DSc/

## CURRICULUM

Professional orientation: **TRANSPORT, NAVIGATION AND AVIATION**

Educational and qualification degree: **MASTER**

Programme: **ELECTRICAL EQUIPMENT OF SHIPS**

Professional qualification: **ENGINEER ON SHIP'S ELECTRICAL EQUIPMENT**

Form of study: **FULL - TIME**

Term of study: **1,5 YEARS / 3 SEMESTERS**

For holders of educational and qualifical degree "Bachelor" in speciality "Electrical Equipment of Ships" of professional orientation 5.5 "Transport, Navigation and Aviation"

Number	Subject Name	Forms of assessment				Weekly auditorium load						Unsupervised load	Whole load of students	ECTS credits
		Exams	Inter-semester Evaluation	Course project	Accepted	Lectures	Seminars			Laboratory Exercises	Total load			
							Seminar Exercises	Course project	Assignment					
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	Control and Diagnosis of Ships Electrical and Electronic Equipment	*				30				30	60	90	150	5
3	Transient Processes in Ships Electrical Equipment	*				30				30	60	105	165	6
4	CAD Systems in Electrical Power Supply and Electrical Equipment	*				30				30	60	90	150	5
5	International Maritime Law		*			30	30				60	90	150	5
6	English on Management Level - part 1		*				45				45	45	90	3
<b>Total for the 1 semester:</b>		<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>345</b>	<b>525</b>	<b>870</b>	<b>30</b>
7	Electrical Equipment of Specialized Floating Objects	*				30	15			15	60	135	195	7
8	Complex Systems for Control of Ships	*				30				30	60	135	195	7
9	Modeling of Marine Electrical Systems	*				30				30	60	135	195	7
10	Organization of Safety and Crisis Management	*				15	15				30	105	135	5
11	English on Management Level - part 2		*				60				60	60	120	4
<b>Total for the 2 semesters:</b>		<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>90</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>270</b>	<b>570</b>	<b>840</b>	<b>30</b>
12	Pre-graduation Practice				*						0	120	120	4
<b>Total for the 3 semesters:</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>120</b>	<b>4</b>
<b>Totals for the whole course of education</b>		<b>8</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>255</b>	<b>180</b>	<b>0</b>	<b>0</b>	<b>180</b>	<b>615</b>	<b>1215</b>	<b>1830</b>	<b>64</b>

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		Exams	Inter-semester Evaluation	Course project	Accepted	Lectures	Seminars			Laboratory Exercises	Total load			
							Seminar Exercises	Course project	Assignment					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>Facultative Subjects</b>														

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

**Approved by the Academic Board of TU-Varna:**

Protocol № 29 / 26.03.2018 r.

Modified with Protocols:

**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, PhD/

Dean of Faculty:  
/Assoc. Prof. M. Yordanova, PhD/

Executive Director of Executive Agency "Maritime Administration":

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