

TECHNICAL UNIVERSITY OF VARNA

Ratified by:

Rector..... /Prof. Rosen Vasilev, DSc/

CURRICULUM

Professional orientation: TRANSPORT, NAVIGATION AND AVIATION Educational and qualification degree: MASTER

Programme: NAVAL ARCHITECTURE AND MARINE TECHNOLOGY

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" in speciality "Naval Architecture and Marine Technology"

	Subject Name	Forms of				Weekly auditorium							lents	
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			ester on	oject	p	ş	Seminars			ses		ol b	stud	dits
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Numerical Methods and Mathematical Statistics	*				30				15	45	110	155	6
2	Finite Element Method in Shipbuilding	*				15			15	15	45	110	155	6
3	Optional Subject	*				30			15	15	60	100	160	6
a	Experimental Fluid Dynamics (EFD)													
b	Propulsion of Speed Crafts													
4	Optional Subject	*				30				15	45	90	135	5
а	Computer On-board Systems													
b	Metamodeling at Design of Ships and Marine Equipme	nt												
5	Specialized English Language		*				30				30	30	60	2
6	Optional Subject	*				30			15	15	60	90	150	5
а	Power Plants of Marine Structures													
b	Design of Marine Piping Systems													
	Total for the 1 semester:	5	1	0	0	135	30	0	45	75	285	530	815	30
7	Fundamentals of Computational Fluid Dynamics	*				15			15	15	45	90	135	5
8	Optional Subject	*				30			15	15	60	100	160	6
а	Design of Small Crafts													
b	Design of Specialized Vessels and Marine Structures													
9	Shipbuilding and Ship Repair Production Process		*			30	15				45	75	120	4
10	Industrial Management	*				30	15				45	75	120	4
11	Optional Subject	*				30				15	45	90	135	5
а	Small Craft's Constructing Technology													
b	Offshore Ships and Structures													
12	CAD/CAE in Naval Architecture and Marine Technolog	*				15			15	30	60	100	160	6
	Total for the 2 semester:	5	1	0	0	150	30	0	45	75	300	530	830	30

			Forms of assessment			Weekly auditorium load						ba	ents	
Number	Subject Name	Exams Inter-semester	er.	lluation e project	Accepted	Lectures	Seminars			cises		ed loa	stude	edits
			semest ₆ Iluation				nar ses	Seminar Exercises Course project	ment	ry Exer	al load	Unsupervise	Whole load of	ECTS cre
			Inter- Eva	Cours			Semi Exerci		Assign	Laborato	Tot			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
12	Pre-graduation Practice				*						0	30	30	1
	Total for the 3 semester:	0	0	0	1	0	0	0	0	0	0	30	30	1
	Totals for the whole course of education	10	2	0	1	285	60	0	90	150	585	1090	1675	61
Facultative Subjects														

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

Note:

The curriculum is valid for the training in Bulgarian and English

Approved by the Academic Board of TU-Varna:

Protocol № 30 / 23.04.2018 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. I. Kostova, PhD/

Dean of Faculty: /Assoc. Prof. I. Hadzhidimov, PhD/