

APPROVED

Rector of Constanta Maritime University
Assoc.Prof. PhD. Gabriel Mărgărit RAICU**CURRICULUM****Starting with academic year 2026-2027**

Study program: Engineering and Management in Transport and Logistics

Fundamental domain: Engineering Sciences

Bachelor's field Engineering and Management

Faculty: Navigation and Maritime Transport

Academic degree: Engineer

The duration of studies: 4 years

Form of education: Full-time

Graduating class: **2026-2030*****The mission of study program***

The program aims to provide high-quality technical higher education that is comprehensive, flexible, and aligned with European and global academic standards, while preserving national academic traditions. Its mission is to ensure the continuous professional formation of specialists in the transport sector and to generate and disseminate knowledge to society. The program consistently promotes innovative and creative solutions supporting the regional and European development of the transport industry.

The general objectives of study program

The study programme has as its general objective the formation of highly qualified engineering specialists for advanced operational and development sectors within the field of Engineering and Management. Graduates of this programme will possess the competencies required to pursue master's-level studies in Engineering and Management, an academic career, or a career in scientific research.

The training methods combine advanced theoretical instruction in fundamental disciplines of Engineering and Management with modern numerical modelling and simulation techniques, as well as with the use of specialized software specific to the field. These are complemented by scientific and methodological guidance in research activities.

To achieve these objectives and to ensure a high standard of student training that meets current professional and academic requirements, the university has developed a bachelor's programme aligned with contemporary educational and research expectations. Providing the appropriate institutional framework and material resources to support competency development, attracting qualified specialists, and fostering an academic community dedicated to advancing knowledge and innovation contribute significantly to accomplishing the aims of this study programme.

Expected learning outcomes:

No.	Knowledge	Skills	Responsibility and autonomy
1	The student/graduate identifies and describes fundamental concepts, principles, and methods in mathematics, physics, chemistry, technical drawing, economics, and computer science.	<p>The student/graduate operates with foundational concepts, principles, and methods in mathematics, physics, chemistry, technical drawing, economics, and computer science.</p> <p>The student/graduate solves mathematical, physical, and chemical problems relevant to engineering applications and validates the obtained solutions.</p> <p>The student/graduate performs engineering and economic calculations of medium complexity and associates them with graphical representations, either letter-based or specific to computer-aided design.</p> <p>The student/graduate describes physical, chemical, and economic phenomena and processes.</p>	<p>The student/graduate applies the values of professional ethics and deontology specific to the engineering profession.</p> <p>The student/graduate practices logical reasoning, evaluation, and self-evaluation in the decision-making process.</p> <p>The student/graduate communicates effectively on engineering-related activities with a broad range of audiences.</p> <p>The student/graduate engages in lifelong learning for the acquisition and application of knowledge, as required, using appropriate learning strategies.</p>
2	The student/graduate explains and interprets theoretical and experimental results in mathematics, physics, chemistry, economics, technical drawing, and computer science	<p>The student/graduate applies evaluation criteria and methods to identify, model, experiment, analyze, and qualitatively and quantitatively assess phenomena and processes specific to the fundamental field, including through the use of digital technologies.</p> <p>The student/graduate acquires and processes data and interprets theoretical and experimental results.</p> <p>The student/graduate designs solutions, in accordance with relevant standards, for engineering problems of medium complexity that meet specified needs while complying with requirements related to public health, safety, welfare, environmental protection, sustainability, economic considerations, and other specific constraints.</p> <p>The student/graduate prepares technical execution and assembly drawings in traditional (letter-based) format or through computer-aided design.</p> <p>The student/graduate applies modern project management techniques, economic methods, and decision-making approaches, including within a multidisciplinary context.</p>	<p>The student/graduate promotes dialogue, cooperation, respect for others, and intercultural understanding.</p> <p>The student/graduate works effectively as a team member or as a team leader.</p>
3	The student/graduate identifies and describes principles of economic and managerial engineering, as well as the characteristics of software packages used to support activities in the field	<p>The student/graduate assesses the quality and identifies the limitations of concepts, symbol systems, and representations specific to the field.</p> <p>The student/graduate selects and applies concepts, principles, and methods to solve specific problems in the preparation of technical, economic, and managerial</p>	<p>The student/graduate documents, describes, and manages processes specific to engineering project management, assuming various team roles and presenting the results.</p> <p>The student/graduate develops working and communication skills that support effective</p>

		<p>documentation.</p> <p>The student/graduate applies health and safety standards in carrying out tasks specific to engineering and management.</p> <p>The student/graduate evaluates the advantages and limitations of software applications used to perform tasks specific to engineering and management</p>	<p>collaboration in carrying out tasks specific to engineering and management.</p> <p>The student/graduate initiates and manages actions aimed at updating professional knowledge within the field.</p> <p>The student/graduate evaluates and capitalizes on business opportunities and entrepreneurial development prospects.</p> <p>The student/graduate demonstrates awareness of social responsibility and professional ethics.</p>
4	The student/graduate explains and interprets technical, economic, and managerial documentation for the development of projects and processes specific to the field.	<p>The student/graduate designs solutions, in accordance with relevant standards, for engineering problems of medium complexity that meet specified requirements while complying with public health, safety, welfare, environmental, sustainability, and economic constraints, as well as other field-specific limitations.</p> <p>The student/graduate prepares execution and assembly technical drawings, either in traditional (letter-based) format or using computer-aided design tools.</p> <p>The student/graduate applies modern project management techniques, economic methods, and decision-making approaches, including within a multidisciplinary context</p>	<p>The student interprets and prepares technical, economic, and managerial documentation for projects specific to the field of engineering and management.</p> <p>The student develops and operates software applications and databases required to support projects and processes.</p> <p>The student models, simulates, and develops computer-aided technical, economic, and managerial projects using specialized software applications</p>
5	The student/graduate demonstrates knowledge of advanced concepts, principles, and methods for analyzing and optimizing industrial processes, in compliance with quality standards and applicable regulations.	The student/graduate applies specific techniques and methods to collaborate effectively within multidisciplinary teams, ensuring appropriate communication and coordination of tasks	The student/graduate assumes responsibility for the planning, organization, and execution of tasks, in compliance with established deadlines and performance criteria.
6	The student/graduate operates with techniques for preparing and interpreting technical, economic, and managerial documentation, using specialized software	The student/graduate uses software applications specific to engineering and management for the design and modelling of technical-economic solutions.	The student/graduate exercises autonomy in decision-making and promotes innovative solutions in dynamic contexts
7	The student/graduate understands the principles of project management, the criteria of economic and environmental sustainability, and their impact on processes specific to transport-related activities	The student/graduate communicates clearly and coherently with both technical and non-technical audiences, adapting the language and content of the information to the intended recipients	The student/graduate closely monitors the execution stages of projects and ensures compliance with deadlines and quality standards.
8	The student/graduate demonstrates knowledge of interdisciplinary research methods and the ethical criteria applicable to the evaluation of engineering and	The student/graduate demonstrates initiative, accountability, and autonomy in managing both personal tasks and delegated responsibilities.	The student/graduate manages and assumes responsibility for both personal and delegated activities, upholding professional standards.

	management solutions.		
9	The student/graduate uses modern computational tools for modelling, simulating, and analyzing complex transport systems, applying statistical and analytical techniques	The student/graduate actively adapts to technological and market changes, integrating new knowledge into professional practice	The student/graduate promotes proactive attitudes toward continuous professional development and adaptation to a rapidly changing socio-economic environment.
10	The student/graduate analyses economic, social, and environmental data, assessing their impact on processes specific to the transport system and on managerial decision-making.	The student/graduate supports responsible communication and effective collaboration within teams, contributing to the achievement of shared objectives	The student/graduate assumes responsibility for supporting effective communication and cooperation within the team, in accordance with the principles of professional ethics

Professional Competences

Provides project management
 Defines technical requirements
 Performs scientific research
 Executes analytical mathematical calculations
 Manages engineering projects
 Interprets technical requirements
 Uses technical drawing software
 Reduces waste of resources
 Assesses financial viability
 Communicates commercial and technical issues in foreign languages
 Uses IT tools
 Obeys legal regulations
 Adapts to changing situations
 Meet deadlines
 Carries out work instructions
 Monitors the condition of equipment
 Performs quality control
 Apply statistical analysis techniques
 Carries out interdisciplinary research activities
 Review of distribution management procedures
 Consider economic criteria in decision making

Transversal competences

Accept responsibility and accountability for their own professional decisions and actions or those delegated to others.
 Works confidently as part of a group, each doing their part in the team.
 Assumes and promotes their own skills and competencies to advance in their professional and private lives.

Occupations / qualifications

COR

- 214135 - Flow Management Logistician
- 214137 - Logistics Ordering Documentation Specialist

ESCO

- 2149.2.6 - Logistics Engineer

Other occupations from different basic, minor, or sub-major groups within COR/ISCO-08/ESCO

Occupations according to COR:
Management Consultant - 263107
Economist Engineer - 263109
Occupations according to ESCO:
Logistics Analyst - 2421.5

I Requirements for obtaining the engineer diploma

Obtaining the 240 credits in mandatory and optional disciplines in the curriculum of study program.

II. The structure of the academic year (in weeks)

Number of semesters: 2

Number of credits per semester: 30

Number of weeks per semester: 14 weeks.

	Teaching activities		Exam session			Practice*	Vacation		
	Sem. I	Sem. II	Winter	Summer	Resits		Winter	Spring	Summer
Year I	14	14	3	3	2	-	2	2	12
Year II	14	14	3	3	2	3	2	2	9
Year III	14	14	3	3	2	3	2	2	9
Year IV	14	14	3	3+1	1	-	2	2	-

The practical training is scheduled in a consolidated format. The assessment method is a colloquium, conducted at the end of the second semester of the respective academic year.

III. Number of class hours per week

Year	Semester I	Semester II
I	26	26
II	26	27
III	27	26
IV	26	26

IV. How to choose optional courses

The flexibility of the study program is ensured through elective and optional subjects. The subjects of your choice (elective) are proposed from the second semester and are intended to complement the student's specialization route. The choice of the route is made by the student in the academic year before the elective subjects (with the exception of options for the first year and semester when expressing in the first semester).

V. Organizing courses at optional disciplines

The organization of courses in optional subjects is done through the Dean's Office. In the curriculum of each Bachelor's program, the subjects and the related number of hours are recorded the Diploma Supplement according to the student's option. The allocation of credits for optional subjects is dependent on the successful graduation of the pertaining exam. Credits obtained in optional subjects do not replace credits for compulsory and elective subjects.

VI. Terms of enrolment into the next year. Conditions of promotion. Conditions of return

The conditions for registration in the following year, the promotion conditions are contained in the *Student Professional Activity Regulation*.

VII. The graduation exam

The period of preparation of the bachelor's degree thesis: *starting with the penultimate semester of study*.

Finalize the bachelor's degree thesis: *In the last semester of study*.

Period for defending the bachelor's degree thesis: *In the June-July session of the last year of study*.

Number of credits for defending the bachelor's degree thesis: *10 credits (in addition to 240s)*.

Study completion exam has two evaluations:

1. Evaluation of fundamental and specialized knowledge.
2. Presentation and defending of the bachelor's degree thesis.

RECTOR
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DEAN
Associated Professor Nicoleta ACOMI EngD

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 Faculty: Navigation and Maritime Transport
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CURRICULUM
Year I

COMPULSORY SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks							
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points	
1	Mathematical Analysis	TL.1.1.1	DF	DOB	2	2			69	E	5								
2	Means of Transport	TL.1.1.2	DS	DOB								2	2		1	55	E	5	
3	Microeconomics	TL.1.2.1	DS	DOB	2	2			69	E	5								
4	Macroeconomics	TL.1.2.2	DS	DOB								2	2			69	E	5	
5	Computer Programming and Programming Languages 1, 2	TL.1.3.1/ TL.1.3.2	DF	DOB	2		2		69	V	5	1		1		47	E	3	
6	Chemistry	TL.1.4.1	DF	DOB	2		1		33	E	3								
7	Physics	TL.1.5.1	DF	DOB	2		2		44	E	4								
8	Linear Algebra, Analytic and Differential Geometry	TL.1.6.1	DF	DOB	2	2			44	E	4								
9	Probability Theory and Mathematical Statistics	TL.1.4.2	DF	DOB								2	2			69	E	5	
10	English Language 1, 2	TL.1.7.1/ TL.1.5.2	DC	DOB		2			22	V	2		2			22	V	2	
11	Physical Education and Sports 1, 2	TL.1.8.1/ TL.1.6.2	DC	DOB		1			36	V	2		1			36	V	2	
12	Environmental Protection	TL.1.7.2	DS	DOB								1	1			47	E	3	
Total hours per week					12	9	5		386			8	10	1	1	345			
					26					5E+3V	30	20					5E+2V	25	

Note: The number of hours of individual study/course/semester is calculated using the formula: $SI = CP \times 25 - 14(C+S+L+P)$

Course Category: DF – fundamental subjects; DS – specialization subjects; DC – complementary subjects;

Course Type: DOB – compulsory subjects; DOP – elective subjects; DFA – optional subjects.

DEAN

Associated Professor Nicoleta ACOMI EngD

DIRECTOR OF STUDIES

Lecturer Ana Cornelia OLTEANU PhD

ELECTIVE SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks							
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points	
1	Information Theory and Codes	TL.1.8.2	DS	DOP									2	2			19	E	3
2	Business Development in Services	TL.1.9.2	DS	DOP									1	1			22	V	2
3	Thermotechnics and Technical Equipment	TL.1.8.2	DS	DOP									2	2			19	E	3
4	Innovative Product Business	TL.1.9.2	DS	DOP									1	1			22	V	2
Total hours per week												0	3	3	0	0	41	E+V	5
					0						0	6							

OPTIONAL SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks							
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points	
1	Religions, Culture and Multiculturalism	TL.1.10.2	DC	DFA									2	1			33	V	3
2	Volunteering 1,2	TL.1.9.1/ TL.1.11.2	DC	DFA		1			36	A/R	2		1			36	A/R	2	
Total hours per week						1			36	A/R	2	2	2			69	V+A/R	5	
					1							4							

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Fundamental domain: Engineering Sciences

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Faculty: Navigation and Maritime Transport

Academic degree: Engineer

The duration of studies: 4 years

Form of education: Full-time

Graduating class: 2026-2030

COMPULSORY SUBJECTS

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Year II

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks						
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points
1	Operations Research	TL.2.1.1	DS	DOB	2	1			33	E	3							
2	Circuit Theory	TL.2.2.1	DS	DOB	2		1		58	E	4							
3	Elements of Mechanical Engineering	TL.2.3.1	DS	DOB	2	1			33	V	3							
4	Fundamentals of Information Technology	TL.2.1.2	DS	DOB								2		2		44	V	4
5	Computer-Aided Design	TL.2.4.1	DF	DOB	2		2		44	V	4							
6	Strength of Materials	TL.2.2.2	DS	DOB								2	2			44	E	4
7	Fundamentals of Information Security	TL.2.3.2	DS	DOB								2		2		44	E	4
8	Accounting	TL.2.5.1	DS	DOB	2	2			44	E	4							
9	Fundamentals of Management	TL.2.4.2	DS	DOB								2	1			33	E	3
10	Finance and Credit	TL.2.6.1	DS	DOB	2	1			58	E	4							
11	Transport Economics	TL.2.7.1	DS	DOB	2	1			58	E	4							
12	Economic Statistics	TL.2.5.2	DS	DOB								2	1			33	V	3
13	Field Practice 1	TL.2.6.2	DS	DOB								(3 sapt x 30 ore)				82	V	4
14	English Language 3, 4	TL.2.8.1/ M.2.7.2	DC	DOB		2			22	V	2		2			22	V	2
15	Physical Education and Sports 3,4	TL.2.9.1/ M.2.8.2	DC	DOB		1			36	V	2		1			36	V	2
Total hours per week					14	9	3		386	5E+4V	30	10	7	4		338	3E+5V	26
					26							21						

Note: The number of hours of individual study/course/semester is calculated using the formula: $SI = CP \times 25 - 14 (C+S+L+P)$

Course Category: DF – fundamental subjects; DS – specialization subjects; DC – complementary subjects;

Course Type: DOB – compulsory subjects; DOP – elective subjects; DFA – optional subjects.

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ELECTIVE SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks							
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points	
1	Commercial Law	TL.2.9.2	DS	DOP									2	1			8	E	2
2	Transport Nodes and Networks	TL.2.10.2	DS	DOP									2	1			8	V	2
3	Elements of Law	TL.2.9.2	DS	DOP									2	1			8	E	2
4	Maintenance and Repair of Transport Means	TL.2.10.2	DS	DOP									2	1			8	V	2
Total hours per week													4	2			16	E+V	4
					0							6							

OPTIONAL SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks							
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points	
1	Geopolitics and Geostrategy	TL.2.10.1	DC	DFA	2	1			33	V	3								
2	Volunteering 3,4	TL.2.11.1/ TL.2.11.2	DC	DFA		1			36	A/R	2		2			22	A/R	2	
Total hours per week					2	2			69	V+ A/R	5		2			22	A/R	2	
					4				2										

DEAN

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 Bachelor's field Engineering and Management
 Faculty: Navigation and Maritime Transport
 Academic degree: Engineer
 The duration of studies: 4 years
 Form of education: Full-time
 Graduating class: 2026-2030

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Year III

COMPULSORY SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks						Semester II - 14 weeks							
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points
1	Transport Technologies	TL.3.1.1	DS	DOB	2	2			44	E	4							
2	Human Resource Management	TL.3.2.1	DS	DOB	2	2			44	V	4							
3	Money, Banks and Capital Markets	TL.3.3.1	DS	DOB	2	2			69	E	5							
4	Marketing	TL.3.1.2	DS	DOB								2	2			19	V	3
5	Transport Systems 1, 2	TL.3.4.1/ TL.3.2.2	DS	DOB	2	1			58	E	4	2	1			8	E	2
6	Transport Systems - Project	TL.3.3.2	DS	DOB										1	36	P	2	
7	Transport Terminals	TL.3.4.2	DS	DOB								2	1			33	E	3
8	Automation in Transport	TL.3.5.1	DS	DOB	2	2			44	E	4							
9	Handling and Warehousing Techniques	TL.3.5.2	DS	DOB								2	1			33	E	3
10	Economic Analysis of Transport	TL.3.6.2	DS	DOB								2	2			19	E	3
11	International Trade	TL.3.7.2	DS	DOB								2	1			33	V	3
12	Planning of transport activities	TL.3.6.1	DS	DOB	2	2			69	V	5							
13	Commodity Science and Goods Expertise	TL.3.8.2	DS	DOB								2	1			33	E	3
14	Field Practice 2	TL.3.9.2	DS	DOB								(3 săpt. x 30 ore)			82	V	4	
Total hours per week					12	11			328	4E+2V	26	14	9		1	296	5E+3V +1P	26
					23			24										

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ELECTIVE SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks							
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points	
1	International Law	TL.3.7.1	DS	DOP	2	1			8	E	2								
2	Ethics and Academic Integrity	TL.3.10.2	DC	DOP									1			36	V	2	
3	English Language 5,6	TL.3.8.1/ TL.3.11.2	DC	DOP		1			36	V	2		1			36	V	2	
4	Labour Law	TL.3.7.1	DS	DOP	2	1			8	E	2								
5	Communication	TL.3.10.2	DC	DOP									1			36	V	2	
6	Psychosociology of the Micro-Organization ^{1, 2}	TL.3.8.1/ TL.3.11.2	DC	DOP		1			36	V	2		1			36	V	2	
Total hours per week					2	2			44					2			72		
					4					E+V	4	2					2V	4	

OPTIONAL SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks							
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points	
1	Pedagogy	TL.3.13.2	DC	DFA									2	1			33	V	3
2	Volunteering 5,6	TL.3.9.1/ TL.3.14.2	DC	DFA		1			36	A/R	2		1			36	A/R	2	
Total hours per week						1			36				2	2			69		
					1					A/R	2	4					V+A/R	5	

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COMPULSORY SUBJECTS

Year IV

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Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks						Semester II - 14 weeks							
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points
1	Multimodal Transport	TL.4.1.1	DS	DOB	2	2			69	E	5							
2	Negotiation and Business Ethics	TL.4.2.1	DS	DOB	2	2			44	V	4							
3	Financial Management	TL.4.3.1	DS	DOB	2	2			44	E	4							
4	Financial Management - Project	TL.4.4.1	DS	DOB				1	36	P	2							
5	Business Risk Management	TL.4.1.2	DS	DOB								2	2			19	E	3
6	Quality Management in transport	TL.4.5.1	DS	DOB	2	2			69	E	5							
7	International Transport and Forwarding	TL.4.2.2	DS	DOB								2	2			19	E	3
8	Chartering and Ship Agency	TL.4.6.1	DS	DOB	2	1			33	E	3							
9	Transport Logistics	TL.4.3.2	DS	DOB								2	2			19	V	3
10	Transport Logistics - Project	TL.4.4.2	DS	DOB										1	36	P	2	
11	Transport Pricing	TL.4.5.2	DS	DOB								3	2			30	E	4
12	Transport Pricing - Project	TL.4.6.2	DS	DOB										1	36	P	2	
13	Safety and Security Management in Transport	TL.4.7.1	DS	DOB	2	1			33	E	3							
14	Practical training for writing the final thesis	TL.4.7.2	DS	DOB								(2 săpt. x 30 ore)			38	V	2	
15	English Language 7,8	TL.4.8.1/ TL.4.8.2	DC	DOB		1			36	V	2		1			36	V	2
16	Writing the final thesis	TL.4.9.2	DS	DOB								(14 săpt x 4 ore)			19			3
17	Bachelor's Degree Examination	TL.4.10.2	DS	DOB														(10)
Total hours per week					12	11		1	364	5E+2V+ 1P	28	9	9		2	252	3E+3V+ 2P	24
					24							20						

Note: The number of hours of individual study/course/semester is calculated using the formula: $SI = CP \times 25 - 14 (C+S+L+P)$

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Course Type: DOB – compulsory subjects; DOP – elective subjects; DFA – optional subjects.

DEAN

Associated Professor Nicoleta ACOMI EngD

DIRECTOR OF STUDIES
Lecturer Ana Cornelia OLTEANU PhD

ELECTIVE SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks						
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points
1	Port Terminals	TL.4.11.2	Dop	DS								2				47	E	3
2	Business Law and Administration	TL.4.12.2	Dop	DS								2	2			19	V	3
3	Ecological Transport Systems	TL.4.9.1	Dop	DS	1	1			22	V	2							
4	Railway and Road Terminals	TL.4.11.2	Dop	DS								2				47	E	3
5	Fiscal Law and Customs Legislation	TL.4.12.2	Dop	DS								2	2			19	V	3
6	International Maritime Organizations and Conventions	TL.4.9.1	Dop	DS	1	1			22	V	2							
Total hours per week					1	1			22	V	2	4	2			66	E+V	6
					2			6										

OPTIONAL SUBJECTS

Nr. crt.	Course title	Course code	Course category	Course type	Semester I - 14 weeks							Semester II - 14 weeks						
					C	S	L	P	SI	Exam form	Credits points	C	S	L	P	SI	Exam form	Credits points
1	History of Transportation	TL.4.10.1	DC	DFA	2	1			33	V	3							
2	Volunteering 7,8	TL.4.11.1/ TL.4.13.2	DC	DFA		1			36	A/R	2		2			22	A/R	2
Total hours per week					2	2			69	V+ A/R	5		2			22	A/R	2
					4			2										

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OVERALL BALANCE SHEET

Nr. crt.	SUBJECTS	Number of class hours				Total ore	%	Credits				Total
1	Compulsory	46	47	47	44	184	88%	55	56	53	61	225
2	Elective	6	6	6	8	26	12%	5	4	7	9	25
3	Total	52	53	53	52	210	100%	60	60	60	70	250
4	Optional	5	6	5	6	22	11%	7	7	7	7	28

PARTITION OF FUNDAMENTAL, SPECIALIZATION AND COMPLEMENTARY SUBJECTS

Type of subjects	Number of hours				Total	
	An I	An II	An III	An IV	ore	%
Fundamental subjects (DF)	350	56	0	0	406	14%
Specialization subjects (DS)	294	602	700	700	2296	78%
Complementary subjects (DC)	84	84	42	28	238	8%
Didactic hours and individual study hours	1500	1572	1572	1548	6192	
Class hours/application hours	23/29	28/25	28/25	26/26	105/105	100%
Number of individual study hours (SI) / Number of didactic hours	772/728	740/742	740/742	704/728	2956/2940	100,5%
Total						