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W: www.uniri.hr • E: ured@uniri.hr

Course description

Generic information			
Head of Course	Biserka Draščić Ban, PhD, Associate professor Ivoslav Ban, MSc		
Course	Mathematics		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	1st semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		6
	Number of Hours (L+E+S)		45 + 30 + 0 (3 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The main objective of the course is to provide general educational content and education about the mathematical apparatus used in other basic and elective courses during undergraduate studies and to emphasize the importance of accurately expressing and defining all the terms used in the courses during study.

1.2. Prerequisites for Course Registration

No prerequisites

1.3. Expected Learning Outcomes

It is expected that the student will be able to:

1. To recognize basic concepts of linear algebra, real functions of one variable and differential calculus of functions of one variable.
2. To state and correctly explain basic results from linear algebra and differential calculus of functions of one variable.
3. To interpret basic operations with matrices, vector and determinants, to solve the systems of linear equations, and find the limit values and derivatives of real functions of one variable.
4. To master the application of differential calculus on describing real functions.

1.4. Course Outline

Elements of the set theory. Number sets N, Z Q, R, C. Elements of Combinatorics. Binomial and polynomial formula. Sequences. Determinants. Matrices. Systems of linear algebraic equations. Vectors. Mapping, relation, function of one variable. Limits of functions. Derivative. Differential. Theorems of differential calculus. Application of differential calculus on describing real functions.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Active attendance of classes over 70 %. Two written exams. Final oral exams.

1.8. Assessment[1]t of Learning Outcomes

Course attendance	2,5	Class participation		Seminar paper		Experiment	
Written exam		Oral exam	1,5	Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

70 % of the course grade is based through 2 written exams in class and 30 % of the course grade is based in the oral final exam according to the Regulations on Studies of the University of Rijeka and the Regulations on Studies at the Faculty of Maritime Studies in Rijeka.

Continuous assessment:

1st written exam – (learning outcomes 1-2)

2nd written exam – (learning outcomes 3-4)
Final oral exam (learning outcomes 1- 4) checks the competences of theoretical knowledge where it is necessary to achieve all learning outcomes.

1.10. Main Reading

1. R. Dobrosavljević, Ž. Glavan, I. Kitarović, Z. Zenzerović, Matematika I, Pomorski fakultet u Rijeci, 1982., Rijeka
2. B. P. Demidovič, Zadaci i riješeni primjeri iz matematičke analize : za tehničke fakultete, Tehnička knjiga, 2003., Zagreb

1.11. Recommended Reading

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
R. Dobrosavljević, Ž. Glavan, I. Kitarović, Z. Zenzerović, Matematika I, Pomorski fakultet u Rijeci.	8	60
B. P. Demidovič, Zadaci i riješeni primjeri iz matematičke analize : za tehničke fakultete,, Tehnička knjiga, Zagreb.	8	

1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and in accordance with the European standards and guidelines for quality assurance carried out at the Faculty of Maritime Studies in Rijeka. Once a year, exam passing results are analysed and appropriate measures are adopted.

[1] NOTE: Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Srđan Žuškin, PhD		
Course	Ship design and construction		
Study Programme	Logistics and management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	1st semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		45 + 15 + 0 (3 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The objective of the course is to acquaint students with the basic ship's dimensions and measures, transversal and longitudinal constructional elements, elementary conception of ship's strength and constructional features of different type of ships.

1.2. Prerequisites for Course Registration

No prerequisites

1.3. Expected Learning Outcomes

It is expected that the student will be able to:

1. Parse and apply international rules for ship's construction and historical development.
2. Parse and analyse type of ship construction, structural elements of longitudinal and transversal ship's strength.
3. Parse and define cargo system, ship’s equipment and ship's cargo handling equipment for different type of ships.
4. Parse and apply basic ship's dimensions and measures.
5. Properly apply the knowledge gained from the structural elements of longitudinal and transversal ship's strength in ship drawings and design.
6. Properly analyse ship's division toward purpose, type of cargo, navigational water categories, construction material, nature of shipping service, etc.
7. Define and parse technical and technological characteristics for different types of ships.

1.4. Course Outline

International rules for ship construction and historical development. Construction materials, welding, bulkheads, watertight bulkhead, watertight door. Type of ships. Structural elements of longitudinal and transversal ship's strength. Strength and stress of ship structure. Ship compartments, cargo compartments, navigation bridge and engine room. Ship's cargo handling equipment for different type of ships. Ship’s operational equipment.

Type of rudders, remarks for different kind of rudders, propeller execution with main particularities. Geometrical ship's dimensions and measures. Ship drawings and design. General plan of ship with different system technology. Wind surface and under water area. Ship's division toward purpose, type of cargo, navigational water categories, construction material, nature of shipping service, etc. Technical and technological characteristics for General Cargo ships, Container Ships, Ro-Ro vessels, Bulk Carriers, Oil/Oil products and Chemical Tankers, Gas takers, Passenger liner and cruise ships and offshore vessels with different purpose and service.

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1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Active attendance of classes over 70 %. Longitudinal and transversal ship drawing – student task. Passed two written exams. Final oral exams.

1.8. Assessment[2]t of Learning Outcomes

Course attendance	3	Class participation		Seminar paper		Experiment	
Written exam		Oral exam	1	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

70 % of the course grade is based through 2 written exams in class and 30 % of the course grade is based in the oral final exam according to the Regulations on Studies of the University of Rijeka and the Regulations on Studies at the Faculty of Maritime Studies in Rijeka.

Continuous assessment: Each written exam must have at least 60 % score.
Final oral exam (learning outcomes 1- 10) checks the competences of theoretical knowledge where it is necessary to achieve a minimum of 50 % of the required theoretical knowledge.

1.10. Main Reading

1. Žuškin, S., teaching materials from the course *Ship design and construction* on the teacher's personal web site (MERLIN) of the Faculty of Maritime Studies in Rijeka, 2020.
2. Komadina, P., Brodovi multimodalne prijevozne tehnologije, Pomorski fakultet u Rijeci, Rijeka, 2001.
3. Komadina, P., Ro-Ro brodovi, Pomorski fakultet u Rijeci, Rijeka, 2001.
4. Komadina, P., Tankeri, Pomorski fakultet u Rijeci, Rijeka, 1994.

1.11. Recommended Reading

1. Vademecum Maritimus, Podsjetnik pomorcima, Pomorski fakultet u Rijeci, Rijeka, 2002.
2. Uršić, J., Stabilitet broda I. dio, Sveučilište u Zagrebu, Zagreb, 1968.
3. Uršić, J., Stabilitet broda II. dio, Sveučilište u Zagrebu, Zagreb, 1968.
4. Fatur, J., Teorija broda, Uredništvo časopisa Brodogradnja, Zagreb, 1954.
5. Milošević, M., i Š., Osnove teorije broda 1, Sveučilište u Zagrebu, Zagreb, 1981.
6. Milošević, M., i Š., Osnove teorije broda 2, Sveučilište u Zagrebu, Zagreb, 1981.
7. Barrass, B., Derrett, D. R., Ship stability for Masters and Mates, Elsevier, 2008.
8. Eyres, D. J., Ship Construction, Butterworth-Heinemann, London, 2007

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Teaching materials from the course Ship design and construction	MERLIN – online	80
Ro-Ro brodovi	10	
Tankeri	10	

[2] **NOTE**: Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and in accordance with the European standards and guidelines for quality assurance carried out at the Faculty of Maritime Studies in Rijeka. Once a year, exam passing results are analysed and appropriate measures are adopted.

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Course description

Generic information			
Head of Course	Ana Perić Hadžić, PhD, Associate Professor		
Course	Economics fundamentals		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	1st semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The basic objective of the course is to acquaint students with the basic economic laws. In line with the primary objective, the course aims to analyze in detail the basic concepts of micro and macroeconomics, elements of supply and demand in the market, emerging market patterns and business results in order to prepare students for upcoming courses in the wider social field.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

After completing the course, the student should know:

1. Describe and explain basic economic phenomena
2. Define and interpret basic economic resources
3. Explain the fundamental problems of economic organization
4. Break down the basic elements of supply and demand for goods and services in the market and analyze the variables affecting supply and demand in the market
5. To sort the different market forms (perfect and imperfect competition) and describe how they work
6. Break down basic cost categories and cost structures
7. Analyze the financial result in terms of income and operating expenses

1.4. Course Outline

Introduction to micro and macroeconomics, basic concepts of micro and macro economics
Historical development of economic thought
Basic economic resources: land, labor, capital (and information)
Basic problems of economic organization (what, why, for whom to produce)
Basic supply and demand elements in the market / Substitution effect and income effect / Elasticity of goods
Markets and the state in the modern economy
Marketplace - Competition (perfect and imperfect competition)
Choice and Theory of Utility / Theory of Expected Choice
Cost analysis / Total average and marginal product / Utility and marginal cost
Cost and income analysis, profit and loss, business coverage, optimal volume of business

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1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

The student must attend at least 70% of the total hours of lectures and exercises and must have passed the exams (continuous assessment) to take the final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation	0,5	Seminar paper		Experiment	
Written exam	1	Oral exam	1	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The process of evaluation of the acquired learning outcomes takes place during continuous assessments (through 2 midterm examinations - total 70%) and at the final part of the exam (30%).
Examples of evaluating learning outcomes in relation to the learning outcomes that are set are:

1. Define the concept of economics, micro and macroeconomics.
2. Define and explain basic economic resources
3. List the fundamental problems of an economic organization
4. Explain market demand as an economic phenomenon, clarify which variables affect market demand
5. What market patterns do you recognize and explain the impact on pricing depending on the structure of the market
6. Calculate for example fixed, variable, total and marginal costs
7. Analyze the financial result in terms of revenue and operating costs and define the point of business coverage and the optimum level of production.

1.10. Main Reading

1. Paul A. Samuelson & William D. Nordhaus, Economics, McGraw-Hill/Irwin; 18 edition, New York, 2011.

1.11. Recommended Reading

1. Jovanović, M.: Kapitalizam iznutra, Pravni fakultet Sveučilišta u Rijeci, Rijeka, 1999.
2. Zelenika, R.: Načela ekonomije i ekonomike, Ekonomski fakultet, IQ PLUS, 2008
3. Benić, Đ.: Osnove ekonomije, Zagreb, Školska knjiga, 1993
4. Dragičević, A.: Ekonomski leksikon, Informator, Zagreb, 1991.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
1. Paul A. Samuelson & William D. Nordhaus, Economics, McGraw-Hill/Irwin; 18 edition, New York, 2011	2	70

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually and a student survey is conducted once a semester. All data, including exam, written work and assessment, are at all times public data for all students who have enrolled in the course (on the e-learning platform).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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3.2. Course description

Generic information			
Head of Course	Edvard Tijan, PhD		
Course	Logistics Basics		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	1st semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		30 + 0 + 0

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The main goal and task of the course is to acquaint students with the field of LOGISTICS. Students need to adopt the basic characteristics of logistics - a holistic, integrated view of all the activities it encompasses. In addition to the basic concepts of procurement, inventory management, transportation management, warehouse management and distribution, students will be trained to integrate these activities to increase the efficiency of the business system. After completing the course, students will know the basic characteristics of transport systems including maritime, air, rail, road and intermodal transport.

1.2. Prerequisites for Course Registration

None.

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

1. Define and interpret the basic concepts of logistics
2. Describe the features of logistics and its components
3. Distinguish components and explain trends in logistics and supply chain development.
4. Explain the importance and impact of certain phenomena (globalization, informatization,...) on the development of logistics procedures
5. Describe logistics as a function of system integration

1.4. Course Outline

1. Logistics, 2. Economic impact of logistics, 3. Supply chain, 4. Inventory management, 5. Storage, 6. Design of distribution systems, 7. Overview of the transport system, 8. Maritime transport, 9. Air, rail and road transport, 10. Intermodal transport, 11. Location and appearance of logistics facilities, 12. Smart city logistics, 13. Logistics of service activities, 14. Green logistics, 15. Logistics as a function of system integration, 16. Virtual logistics

1.5. Modes of Instruction

☒ Lectures	☐ Practical work
☐ Seminars and workshops	☒ Multimedia and Network
☐ Exercises	☐ Laboratory
☒ E-learning	☐ Mentorship
☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

1. Class attendance
2. Class activity
3. Activities in the e-learning system
4. Colloquia
5. Weekly test via e-learning system
6. Taking the exam

The student is required to attend and actively participate in lectures and exercises and be present in at least 70% of classes. All continuous assessments affect the grade, none of which should be satisfied with less than 50%.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1	Class participation		Seminar paper		Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Evaluation is done through:
1. Class attendance (10%)
2. Checking the knowledge through two colloquia (60%)
3. Checking the knowledge through the final exam (30%).

Examples of evaluating learning outcomes:
1. Explain the basic concepts of logistics
2. Explain the features of logistics and its components
3. Explain the impact of globalization on the development of logistics
4. Explain how logistics unifies business systems
5. Break down logistics into components and analyze development trends

1.10. Main Reading

1. D. Čišić, Logistics Basics, on-line lectures
2. Bloomberg, LeMay, Hanna: Logistika, MATE, Zagreb, 2006.
3. Ballou: Business logistics/supply chain management, Pearsons 2004

1.11. Recommended Reading

1. Waters: Logistics: An Introduction to Supply Chain Management Palgrave Macmillan 2006
2. Brandimarte, Zotteri: Introduction to Logistics Systems Management Willey 2013

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Logistika	20	70
Business logistics/supply chain management	5	70

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually, and a student survey is conducted once a semester. All data, including exam, written work and assessment, are at all times public data for all students who have enrolled in the course (on the e-learning platform).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Tanja Poletan Jugović, PhD, Full Professor		
Course	Cargo Flows		
Study Programme	Logistic and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	1st semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30+15+0 (2+1+0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The main course objectives are to acquire knowledge about the basic elements, principles and geo-traffic, socio-economic and logistics factors of cargo flows formation and distribution; analysis of relevant indicators of cargo flows formation in the world with an emphasis on maritime and land transport and the acquisition of knowledge about the basic assumptions for attracting cargo flows and valorisation of the transport routes on the transport market.

1.2. Prerequisites for Course Registration

-

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

1. Properly define the basic elements, principles and specifics of the cargo flows formation.
2. Distinguish types of cargo flows according to different criteria.
3. Describe and interpret geo-traffic, socio-economic and other logistical factors of formation and consolidation of cargo flows.
4. Explain the general and specific characteristics of the current status and future development of transport and cargo flows at the global, regional and national levels.
5. Argue the importance of relevant components of valorisation and competitiveness of the transport route (corridor) in the market of transport services.
6. Analyse and interpret the intensity, dynamics and directions of (international, national) cargo flows with an emphasis on maritime routes and corridors and other types of traffic routes (land, river and air corridors).
7. Compare the intensity, dynamics and structure of cargo flows with regard to the types of transport, types of cargo and directions of movement (at the global, regional and national level).
8. Analyse and demonstrate the conditionality of the cargo flows formation on major maritime routes, land corridors and reference terminals (port's, inland, …).

1.4. Course Outline

Relevant theoretical determinants and laws of formation and distribution of cargo flows. Geo-traffic factors of formation and distribution of cargo flows. Socio-economic factors of formation and distribution of cargo flows. Other assumptions and criteria for the formation and distribution of cargo flows. The state and general characteristics of goods trade in the world. International cargo flows in maritime transport. International cargo flows in land transport. International cargo flows by inland waterways. International cargo flows in air transport.

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1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Preparation of seminar paper, presentation of seminar paper, 1st and 2nd exam through continuous monitoring and assessment and final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper	1	Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	1,5	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The procedure for evaluating the acquired learning outcomes takes place according to the Rule book of Studies at the University of Rijeka and Studying regulation at the Faculty of Maritime Studies in Rijeka as follows:

- 70% of the acquired learning outcomes within the 1st exam (25%), 2nd exam (25%) are evaluated through continuous monitoring and assessment during classes, and through the presentation of the research task - seminar (20%); the student must realize a minimum of 50% of points for each exam, and the presentation of the research task is evaluated on the basis of elaborated assessment criteria;
- at the final part of the exam, 30% of the acquired learning outcomes are evaluated, and the student must realize a minimum of 50% of points to pass the final exam.

Examples of evaluating learning outcomes in relation to defined learning outcomes are:

1. Define the basic elements of the maritime cargo flows formation.
2. Classify cargo flows according to the criterion of territorial coverage and direction of cargo flows.
3. Specify the geo-traffic factors in the formation of goods flows and argue their relative or absolute importance.
4. Define the leading maritime regions and associated leading ports in the context of global container cargo flows.
5. List and explain the economic and qualitative criteria (sub-criteria) in the examination of the intermodal transport route's competitiveness.
6. Define and display the most important maritime routes of liquid cargo flows in the world.
7. Explain the intensity, structure and dynamics of goods flows on the example of the selected seaport.
8. Formulate and systematize the affirmation factors of trade flows on the example of Pan-European Corridor V - branch Vb.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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1.10. Main Reading

- teaching material available within the e-course Cargo Flows - published on the e-learning system - Merlin (https://moodle.srce.hr) in the current academic year
- Tanja Poletan Jugović, „Robni tokovi“, Pomorski fakultet, Sveučilište u Rijeci, 2014.

1.11. Recommended Reading

- Jean – Paul Rodrigue, The Geography of Transport Systems, -Fifth edition, New York: Routlege, 2020. (selected chapters)
- Current statistical sources with current data: Shipping Statistics and Market Review, ISL (Institute of Shipping Economics and Logistics), Bremen; Statistički ljetopis Republike Hrvatske, Državni zavod za statistiku, RH, Zagreb; …
- Scientific, professional papers published in foreign journals (Journal of Transportation Geografy, Transportation Research,…) and domestic journals (Pomorstvo, Naše more, Suvremeni promet)

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
teaching material available within the e-course Cargo Flows - published on the e-learning system - Merlin (https://moodle.srce.hr) in the current academic year	unlimited	40
T. Poletan Jugović, Robni tokovi, Pomorski fakultet, Sveučilište u Rijeci, 2014.	5	40

1.13. Quality Assurance

The studying quality is monitored following the ISO 9001 system, as well as European standards and guidelines for quality assurance, carried out at the Faculty of Maritime Studies, University of Rijeka. Analysis of exam passing is given annually and a survey among students is conducted by the semester.

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Course description

Generic information			
Head of Course	Sandra Tominac Coslovich, PhD, Associate professor		
Course	English language 1		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	1st semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		3
	Number of Hours (L+E+S)		15 + 30 + 0 (1 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Course objectives meet the English language requirements for obtaining a B. Sc. degree in Logistics and Management in Maritime Transport and include acquiring communicative competence for effective use of English as a language of international maritime communication for the purpose of ensuring efficient business operations and management in the maritime industry.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

Upon completing the course the students will be able:

1. To demonstrate 4 basic language skills in English: reading, writing, listening and speaking at B2 level (independent user) according to the Common European Framework of Reference for languages
2. To demonstrate specialized language knowledge and skills for the purpose of performing specialist jobs in the field of logistics and management in maritime transport
3. To express themselves in speech and in writing and discuss specialist topics in English
4. To translate specialized texts from English into Croatian and vice versa
5. To use language skills in written and verbal communication in English among different specialists in the field of maritime transport

1.4. Course Outline

The course focuses on *content-based learning*. It applies the *communicative approach* to learning and teaching English as a Foreign Language (EFL) and English as a Second Language (ESL). The course focuses on the acquisition and practical use of: vocabulary/terminology skills (terms, polysemous words, multiple-word lexical units, collocations, lexical sets), discourse and pragmatic elements of shipping-related texts and communication, most frequent and typical grammatical structures and features restricted to maritime discourse (written and spoken) in the following areas: maritime transport industry, general seamanship, ship knowledge (types of vessels, vessel parts, manning of vessels), liner trade and tramp trade. The course stresses the importance of English in communication in international maritime trade and provides the basics of business correspondence in English.

1.5. Modes of Instruction

☒ Lectures	☐ Practical work
☐ Seminars and workshops	☐ Multimedia and Network
☒ Exercises	☐ Laboratory
☐ E-learning	☐ Mentorship
☐ Field work	☐ Other _____

1.6. Comments	

1.7. Student Obligations

1. course attendance (lectures and exercises)
2. passing two written tests
3. passing final written exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper		Experiment	
Written exam	0,5	Oral exam		Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

2 continuous assessments/test + final written exam taken together with the second assessment

1. *Upon reading the text, answer the following question: What are the main characteristics of bulk carriers?*
2. *What are the Master's duties and responsibilities?*
3. *What are the main types of merchant vessels?*
4. *Translate the following text about vessels' structural design from English into Croatian by using the appropriate terminology.*
5. *Based on the following scenario, make a formal phone call …*

1.10. Main Reading

1. Boris Pritchard (2001) *Maritime English 1*, Školska knjiga (selected units available online on www.moodle.srce.hr),
2. Mark Powell & Simon Clarke (2003) *In Company. Macmillan Business English* (Student's Book+ CD) – Intermediate, Macmillan Publishers
3. Peter van Kluijven (2005) *The International Maritime Language Programme*, De Alk & Heijen,
4. *MarEng Learning Tool*: http://mareng.utu.fi – selected units

1.11. Recommended Reading

1.12. Number of Main Reading Examples

Title	Number of examples	Number of students
Boris Pritchard (2001) *Maritime English 1*, Školska knjiga (selected units available on line on www.moodle.srce.hr)	Available online	55
Mark Powell & Simon Clarke (2003) *In Company. Macmillan Business English* (Student's Book+ CD) – Intermediate, Macmillan Publishers	10	55
Peter van Kluijven (2005) *The International Maritime Language Programme*, De Alk & Heijen	10	55
MarEng Learning Tool: http://mareng.utu.fi – selected units	Available online	55

1.13. Quality Assurance

Quality assurance is based on the Faculty's ISO 9001 system. Yearly analysis is carried out based on quantitative student examination data, and qualitative data based on student survey derived at the end of each semester. Furthermore, specifically to this course, all data from exams, seminars and projects are freely accessed on e-learning site by the students attending the course.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Maja Redžić, mag.cin.		
Course	Physical Education 1		
Study Programme	Logistic and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	1st semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		1
	Number of Hours (L+E+S)		0 + 30 + 0 (0 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The goals of Physical Education are:
- acquaintance with the principles of biopsychosocial characteristics of man
- acquiring knowledge about the factors that cause illnesses and injuries
- adopting a certain fund of motor information necessary for a more meaningful use of leisure time
- meeting the biopsychosocial human need for movement
- building humane interpersonal relationships
- increase of creative ability and adaptation to contemporary living and working conditions
- by training appropriate programs to train a person for independent and responsible care for the

1.2. Prerequisites for Course Registration

1.3. Expected Learning Outcomes

1. Positive influence on anthropological characteristics (anthropometric characteristics)
2. Improve the acquisition of general and specific motor abilities, knowledge, skills and habits
3. Apply, use health care and promotion
4. Preserve health status by exercising

1.4. Course Outline

Getting to know the health status of students. Measurement and testing of motor knowledge and functional abilities. Passing and throwing the ball into the basket (K). Classic aerobics. Development of general motor skills. Ball manipulation (K). Elements of attack and defense (O). Closing the basket and catching the bounced ball (K). Basketball rules and application in the game. Improper posture - physical exercise and prevention. Preparatory volleyball - a game with several players over the network (O). Basic elements of yoga. Development of creative abilities of an individual in sports expression in a particular sports discipline with a recreational impact.

1.5. Modes of Instruction		
	☐ Lectures	☐ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☒ Exercises	☐ Laboratory
	☐ E-learning	☐ Mentorship
	☐ Field work	☐ Other _____

1.6. Comments	Seminar paper is written by part time students

1.7. Student Obligations

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Active class attendance and activity in at least 70% of classes.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1	Class participation		Seminar paper		Experiment	
Written exam		Oral exam		Essay		Research	
Project		Continuous Assessment		Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Course is not graded.
During the class, the student's motor movement is positively evaluated. Each class hour accurately monitors each (non) arrival and student activity on a special full-semester Evidence sheet Physical and Health Culture. The subject of Physical Education and Health is evaluated for a certain semester by enrolling in the ISVU system "PASSED".

1.10. Main Reading

1.11. Recommended Reading

1.Redžić A., Redžić M .: Back pain and physical exercise, HSSR Sport for all. Year XXXVI, number 93. 2018
2. Findak V .: Methodology of physical and health culture, Školska knjiga Zagreb, 1999.
3. Anderson B .: Stretching, Stretching exercises for everyday fitness: running, swimming, tennis, cycling, skiing, basketball, football and other sports, Gopal, d.o.o., Zagreb, 1997.
4. Anderson B., Burke E., Pearl B .: Fitness for all, Gopal, d.o.o., Zagreb, 1997.
5. Janković V., N. Marelić .: Volleyball, Faculty of Physical Education, University of Zagreb, Zagreb 1995.
6. Kosinac, Z .: Kinesitherapy, physical exercise and sports in children and youth with impaired health, Split, 1989

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*

1.13. Quality Assurance

The quality of studies is monitored in accordance with the ISO 9001 system and in accordance with European standards and guidelines for quality assurance, which is carried out at the Faculty of Maritime Studies in Rijeka. Once a year, the results of possibility are analyzed and appropriate measures are adopted.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Biserka Draščić Ban, PhD, Associate professor Ivoslav Ban, MsC		
Course	Financial mathematics		
Study Programme	Logistics and Management in Maritime and Transport		
Type of Course	Core		
Year of Study	1st year	2nd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 30 + 0 (2 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The objective of the course is to master selected topics in linear algebra and financial mathematics required for maritime exchange, monitoring and application, and to pursue professional subjects requiring knowledge in selected areas of financial mathematics.

1.2. Prerequisites for Course Registration

No prerequisites

1.3. Expected Learning Outcomes

Students will be able to, after passing the exam:

1. Know and understand the contents of selected chapters in algebra and financial mathematics mathematical methods.
2. To solve the tasks of logistics and subject matter that require the application of the adopted mathematical methods.
3. Use portions of software packages in solving numerical problems.

1.4. Course Outline

Matrices and operations with matrices. Determinants. Systems of linear algebraic equations. Models of general market equilibrium. Intersectoral(input-output) analysis. Application of differential calculus in economics.
Marginal cost. Elasticity of function. Exemplary integral calculus in economics. Percentage account. Methods of calculating interest. Simple and complex interest account.
Financial equivalence of capital. Continuous stuttering. Discrete capitalization (prenumerando and postnumerando amounts). Loans. Loan repayment plan

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Active attendance of classes over 70 %. Two written exams. Final oral exams.

1.8. Assessment[3] of Learning Outcomes

Course attendance	2	Class participation		Seminar paper		Experiment	
Written exam		Oral exam	1	Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

70 % of the course grade is based through 2 written exams in class and 30 % of the course grade is based in the oral final exam according to the Regulations on Studies of the University of Rijeka and the Regulations on Studies at the Faculty of Maritime Studies in Rijeka.

Continuous assessment:

1st written exam

2nd written exam

Final oral exam (learning outcomes 1- 3) checks the competences of theoretical knowledge where it is necessary to achieve all learning outcomes.

1.10. Main Reading

1. R. Dobrosavljević, Ž. Glavan, I. Kitarović, Z. Zenzerović, Matematika I, Pomorski fakultet u Rijeci, 1993., Rijeka
2. Bosko Sego, Tomislav Sikic, Four Accounts for Economists, Business School "Baltazar Adam Krcelic" , 2003.
3. Authors' group, Collection of tasks (Sets of numbers, Matrices and determinants, Vector algebra), Faculty of Maritime Studies Rijeka, 1999

1.11. Recommended Reading

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Bosko Sego, Tomislav Sikic, Four Accounts for Economists, Business School "Baltazar Adam Krcelic" , 2003.	5	75
Authors' group, Collection of tasks (Sets of numbers, Matrices and determinants, Vector algebra), Faculty of Maritime Studies Rijeka, 1999B.	10	

1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and in accordance with the European standards and guidelines for quality assurance carried out at the Faculty of Maritime Studies in Rijeka. Once a year, exam passing results are analysed and appropriate measures are adopted

[3] **NOTE**: Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Biserka Draščić Ban, PhD, Associate professor		
Course	Statistics		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	2nd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 30 + 0 (2 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The main course objective is to teach the students how to apply statistical methods to determine the natural laws of the observed traffic phenomena.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

1. To recognize the meaning and the task of statistics and the phases of statistical analysis
2. To recognize and analyze different kinds of data sets and their characteristics
3. To explain the terms of random variables and probability distributions
4. To different the theoretical probability distributions, and connect them with empirical ones
5. To describe the sampling method and, by using the estimation methods and statistical testing on a random sample, make some conclusions about the population
6. To recognize the Chi-Square Test
7. To interpret the terms of correlation and regression

1.4. Course Outline

The meaning and the task of statistics. Graphical methods in data analysis. Relative numbers. Numerical data analysis. Random variables. Theoretical distribution functions. Chi-Square Test. Sampling method. Time series analysis. Correlation and regression.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Taking classes regularly and doing homework assignments.

1.8. Assessment[1] of Learning Outcomes

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Course attendance	2	Class participation	0,5	Seminar paper		Experiment	
Written exam		Oral exam	1	Essay		Research	
Project		Continuous Assessment	1,5	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Assessment of learning outcomes is done by conducting three partial written tests and by final exam (oral exam).

Examples:

Written exam:

1) (outcome 2) In period from 2010. until 2017. a certain mass phenomenon has been investigated and the following data was collected:

Year	Y	
2010	5565	
2011	5334	
2012	4734	
2013	4690	
2014	4497	
2015	4356	
2016	4172	
2017	3359	

   a) Find the average number of occurences per year?
   b) Determine the curve of the linear trend (with the origin in the center of the time period) and by it calculate the number of occurences that is expected in 2020.

2) (outcome 5) A statistical feature X has mean 9,72 and standard deviation 1,4. A sample of 36 statistical units gave the mean 8,93 Is the difference between means statistically significant with the risk of 5%?

Oral exam questions:

1) (outcome 2) Make an example for attributive, numerical and time series, and for every one of them name the statistical indicators that can be calculated.
2) (outcomes 3 and 4) Say what is the probability of a certain, and of an impossible event. Name a few continuous probability distribution and a few discrete ones, and for every of them write down the DF.
3) (outcome 6) How (meaning by which statistical test) can we determine the correspondence of some empirical PD with a certain theoretical PD? Describe the procedure.
4) (outcome 7) Explain the meaning of the correlation and regression.

1.10. Main Reading

1. Z. Zenzerović, Statistički priručnik, Pomorski fakultet u Rijeci, Rijeka, 2004.
2. I. Šošić-V.Serdar, Uvod u statistiku, Školska knjiga, Zagreb, 2002.

1.11. Recommended Reading

1. Z. Zenzerović, Statističke metode u tehnologiji prometa, Fakultet za pomorstvo i saobraćaj, Rijeka, 1988.
2. T. Pogány-Z. Zenzerović, Statističke tablice s uputama za primjenu, Pomorski fakultet u Rijeci, Rijeka, 1993.
3. J. Čaval, Statističke metode u privrednim i društvenim istraživanjima, Sveučilište u Rijeci, Rijeka, 1981.
4. I.Šošić, Zbirka zadataka iz statistike, Mikrorad, Ekonomski fakultet, Zagreb, 1998.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Z. Zenzerović, Statistički priručnik, Pomorski fakultet u Rijeci, Rijeka, 2004	9	80
I. Šošić-V.Serdar, Uvod u statistiku, Školska knjiga, Zagreb, 2002.	5	80

1.13. Quality Assurance

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities

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3.2. Course description

Generic information			
Head of Course	Mato Tudor, Phd		
Course	Applied computer science		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	2nd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30+30+0 (2 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Adopting knowledge about the structure and principle of computer operation as well as knowledge about using computers in word processing and drafting spreadsheets. Training students to solve problems with a computer by developing algorithms and implementing them on a computer, using program packages to develop programs

1.2. Prerequisites for Course Registration

No

1.3. Expected Learning Outcomes

After the exam is passed, students will be able to:

1. Properly justify basic concepts of the structure and principle of operation of the computer
2. Describe different types of computer software support
3. Use the application program MS word for text processing
4. Use the application program MS Excel for spreadsheets
5. Write an algorithm in Just Basic programming language as a solution to a given problem

1.4. Course Outline

Mathematical and logical basics of computer operation. Computer hardware. Input / output units. Computer memory. Central processing unit. Software. System software support. Operating System. Software development. Utilities. Application software. Text processor (MS Word). Spreadsheet program (MS Excel). Solving problems with computer. Algorithms and programs. Elements of algorithms. Describing algorithms. Algorithm commands in Just Basic. Control structures of the algorithm and their description in Just Basic.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

The student is obliged to actively attend lectures and exercises and be present in at least 70% of classes.

All continuous assessment affects the grade, and none are satisfied with less than 50%.

1.8. Assessment[1] of Learning Outcomes

Course attendance	2	Class participation		Seminar paper		Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The procedure for evaluating the acquired learning outcomes is carried out in accordance with the Regulations on Studies of the University of Rijeka and the Regulations on Studies at the Faculty of Maritime Studies in Rijeka as follows:

- During the course, 70% of the learning outcomes achieved are assessed through three tests, each of which must be positive (at least 50%).
  The first test includes checking the learning outcomes using the MS Word application program - the third learning outcome (25%):
  Examples of checking the 3rd learning outcome:
  – Use MS Word to format the default text.
  The second knowledge test includes checking the learning outcomes using the MS Excel spreadsheet - 4th learning outcome (25%).
  Examples of checking the 4th learning outcome:
  – Use MS Excel to draw graphs for given data.
  The third test involves checking the 5th learning outcome (20%) of writing algorithms in Just Basic as a solution to a given problem.
  Example of checking the 5th learning outcome:
  – Write a program that will load 50 numbers and print the smallest number loaded.
- In the final part of the exam, 30% of the learning outcomes are evaluated. Student must have minimum of 50% to pass the final exam. The final exam checks the 1st and 2nd and the learning outcomes.
  Examples of learning outcomes 1 and 2:
  – Explain the basic characteristics of the processor.
  – Describe the different types of application software.

1.10. Main Reading

– Tudor, M. Primjena elektroničkih računala, University of Rijeka, Faculty for Maritime Studies, Rijeka, 2010.
– Course material available on the eLearning system - Merlin (https://moodle.srce.hr)

1.11. Recommended Reading

– Tudor, M. Osnove primjene računala, University of Rijeka, Faculty for Maritime Studies Rijeka, 2003.
– Grundler, D. Primijenjeno računalstvo, Graphis, Zagreb, 2000.
– Grundler et al, ECDL, Osnovni program, PRO-MIL d.o.o., Varaždin, 2005.

1.12. Number of Main Reading Examples

Title	*Number of*	*Number of students*
Tudor, M. Primjena elektroničkih računala, University of Rijeka, Faculty for Maritime Studies, Rijeka, 2010.	Library 10	90
Course material available on the eLearning system - Merlin (https://moodle.srce.hr)	Publishing Service 150	

1.13. Quality Assurance
The quality of study is monitored in accordance with the ISO 9001 system and in accordance with European standards and guidelines for quality assurance carried out at the Faculty of Maritime Studies in Rijeka. Once a semester, a student survey is conducted. Once a year, the results of the transience are analyzed and appropriate measures are adopted.

1 **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Borna Debelić, PhD, Associate Professor		
Course	Transport Economics		
Study Programme	Logistic and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	2nd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Acquiring knowledge from a special area of transport economics, necessary for those responsible for the performances of the main economic activities in the transport sector. The aim of the course is to systematically handle economic, exploration and technical problems of transport system and corresponding

1.2. Prerequisites for Course Registration

No additional prerequisites.

1.3. Expected Learning Outcomes

1. Explain the elements of the transport system and correlation between transport and economic development
2. Emphasize and explain the economic aspects of the functioning of the transport system
3. Identify and interpret transport system elements, horizontally and vertically
4. Explain the externalities in transport
5. Identify the underlying objects of the transport infrastructure and explain the related cost concepts and evaluation of the transport infrastructure construction
6. Describe and explain the principles and content of economic development in different transport branches
7. Understand the underlying concepts and interpret the approaches in transport policy

1.4. Course Outline

Transport system and economic development aspects. Importance of transport and traffic in economic systems. Elements of the transport system by horizontal and vertical division. Factors and processes of the economic functioning of the transport system. Economic and financial evaluation of the construction of transport infrastructure. Privatization, liberalization, globalization and deregulation in transport. Transport infrastructure objects and cost concepts. Externalities in transport. Co-operation of transport branches. Transport system and policy. Economics of road transport and transport system. Economics of rail transport and transport system. Economics of postal and telecommunication services and transport system. Economics of air traffic and transport system. Economics of maritime and river transport and transport system.

1.5. Modes of Instruction

☒ Lectures	☐ Practical work
☐ Seminars and workshops	☐ Multimedia and Network
☒ Exercises	☐ Laboratory
☒ E-learning	☒ Mentorship
☒ Field work	☐ Other _____

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1.6. Comments	

1.7. Student Obligations

1. Attending classes
2. Actively participate in classes
3. Study, research and solving tasks
4. Colloquiums
5. Final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation	0,5	Seminar paper		Experiment	
Written exam	1	Oral exam	1	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Through colloquiums, experiment and course attendance and participation students achieve up to 70% (Learning Outcomes from 1 to 7), while with the written Final Exam (Learning Outcomes from 1 to 7) up to 30% of total score.

Examples of Assessment of Learning Outcomes:

1. Describe and discuss elements of the transport system and the relationship between transport and economic development (Learning Outcome 1)
2. Describe and explain the economic aspects of the functioning of the transport system (Learning Outcome 2)
3. Describe the elements of the transport system, horizontally and vertically (Learning Outcome 3)
4. Describe and explain the externalities in transport (Learning Outcome 4)
5. Identify the underlying objects of the transport infrastructure and explain the related cost concepts and evaluate the construction (Learning Outcome 5)
6. Explain and describe the principles and content of economic development in different transport branches (Learning Outcome 6)
7. Identify the underlying concepts and explain the approaches in transport policy (Learning Outcome 7)

1.10. Main Reading

1. Perić, T., Radačić, Ž.., Šimulčik, D. (2000). Ekonomika prometnog sustava. Zagreb: Sveučilište u Zagrebu, Fakultet prometnih znanosti.
2. Stopford, M. (2009). Maritime Economics. London & New York: Routledge.

1.11. Recommended Reading

1. Quinet, E., Vickerman, R. (2004). Principles of Transport Economics. Cheltenham: Edward Elgar.
2. Kesić, B; Jugović, A.; Debelić, B. (2013). Ekonomika brodarstva: riješeni zadaci. Rijeka: Pomorski fakultet Sveučilišta u Rijeci.
3. Jelinović, Z. (1983). Ekonomika prometa i pomorstva. Zagreb: Informator.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*

1.13. Quality Assurance

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Quality assurance system of educational process is in accordance with ISO 9001:2000 system as implemented on Faculty of Maritime Studies Rijeka. Analysis of exams is carried out annually. Students' evaluation is carried out each semester (more details provided in part describing organization of the Faculty).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Bojan Hlača, PhD, Full Professor		
Course	Business Logistics		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	2nd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		6
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The basic goal of the course is to acquaint students with the basic features of logistics and supply chain, logistics business systems and global supply chain.

1.2. Prerequisites for Course Registration

-

1.3. Expected Learning Outcomes

1. Explain the basic features of logistics and distribution.
2. Explain the costs of storage, supplies and transport and the total costs of distribution
3. Describe the business of freight forwarders and multimodal transport operators
4. Explain logistics supply and demand
5. Explain the concept of logistics chain and supply chain
6. State the importance of the global supply chain in multimodal transport
7. Explain and describe the term "trade-off" in the global supply chain
8. Explain the global supply chain management model

1.4. Course Outline

Logistics and distribution. Supply chain. Storage and inventory costs. Total distribution costs. Logistic supply and demand. Freight forwarder as a multimodal transport operator. Logistics chain. Global supply chain. "Trade off" in the global supply chain. Global supply chain management.

1.5. Modes of Instruction		
	☒ Lectures	☐ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☒ Exercises	☐ Laboratory
	☐ E-learning	☐ Mentorship
	☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

1. attending classes,
2. attendance at exercises (seminar, case study, practical work)
3. written exam (colloquiums 1 and 2)
4. final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper	0,5	Experiment	
Written exam	2	Oral exam		Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The process of evaluation of the acquired learning outcomes takes place during the continuous assessment of knowledge (through 2 colloquia 40%, preparation of seminars / case studies 20%, Activity 10%), and at the final part of the exam 30%.

Examples of evaluating learning outcomes in relation to set learning outcomes are:

1. List the processes of the logistics system?
2. Describe the movement of distribution costs in direct and indirect sales in relation to the number customers?
3. List the entities that participate in the return distribution channels?
4. Describe how to determine the optimal number of warehouses?
5. State the basic methods of business logistics and distribution?
6. Explain the main goal of management in transport companies?
7. List and explain logistics chains according to the degree of market coverage?
8. Explain ownership, information, financial and material (goods) flows in logistics chains?
9. Describe an example of delivery and completion of customs formalities at a global supply chain?
10. Describe and explain the management of the global supply chain and the benefits of its application?

1.10. Main Reading

1. Hlača, B.: Poslovna logistika, Merlin, E-Learning System, Faculty of Maritime Studies, Rijeka, 2017
2. Hlača, B.: Lučka logistika, University of Rijeka, Faculty of Maritime Studies, Rijeka 2016.

1.11. Recommended Reading

1. BLOOMBERG, D.J., LE MAY S., HANNA, J.B.: Logistika, Mate: Zagrebačka škola ekonomije i managementa, Zagreb, 2006.
2. BOUCHERY, Y. ,Hinterland Transportation in Container Supply Chain,London, 2014.
3. BRANCH, A.E. Global Supply Chain Management and International Logistics, Abingdon, Oxon, 2009.
4. COOPER, J., Logistics and Distribution Planning, London 1994.
5. RUSHTON-OXLEY, Handbook of Logistics and Distribution Management, London 1993.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An annual analysis of the exams is made, and once a semester a survey is conducted among students (attachment to the description of the faculty)

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Sandra Tominac Coslovich, PhD, Associate professor		
Course	English language 2		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	2nd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		3
	Number of Hours (L+E+S)		15 + 30 + 0 (1 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Course objectives meet the English language requirements for obtaining a B. Sc. degree in Logistics and Management in Maritime Transport and include acquiring communicative competence for effective use of English as a language of international maritime communication for the purpose of ensuring efficient business operations and management in the maritime industry.

1.2. Prerequisites for Course Registration

Successful completion of English language 1 course

1.3. Expected Learning Outcomes

Upon completing the course the students will be able:

1. To demonstrate 4 basic language skills in English: reading, writing, listening and speaking at B2 level (independent user) according to the Common European Framework of Reference for languages
2. To demonstrate specialized language knowledge and skills for the purpose of performing specialist jobs in the field of logistics and management in maritime transport
3. To express themselves in speech and in writing and discuss specialist topics in English
4. To translate specialized texts from English into Croatian and vice versa
5. To use language skills in written and verbal communication in English among different specialists in the field of maritime transport

1.4. Course Outline

The course focuses on *content-based learning*. It applies the *communicative approach* to learning and teaching English as a Foreign Language (EFL) and English as a Second Language (ESL). The course focuses on the acquisition and practical use of: vocabulary/terminology skills (terms, polysemous words, multiple-word lexical units, collocations, lexical sets), discourse and pragmatic elements of shipping-related texts and communication, most frequent and typical grammatical structures and features restricted to maritime discourse (written and spoken) regarding the following topics: types of cargo, cargo properties, carriage of goods by sea, cargo work, warehousing, picking, packing and inventory, cargo-handling equipment, ports and port structures. The course stresses the importance of English in both written and spoken communication in international maritime trade and focuses extensively on writing business e-mails.

1.5. Modes of Instruction

☒ Lectures	☐ Practical work
☐ Seminars and workshops	☐ Multimedia and Network
☒ Exercises	☐ Laboratory
☐ E-learning	☐ Mentorship
☐ Field work	☐ Other _____

1.6. Comments	

1.7. Student Obligations

1. course attendance (lectures and exercises)
2. passing two written tests
3. passing final written exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper		Experiment	
Written exam	0,5	Oral exam		Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

2 continuous assessments/test + final written exam taken together with the second assessment

1. *Upon reading the text, describe different types of cargo?*
2. *What are the duties and responsibilities of the Chief Officer?*
3. *What type of cargo-handling equipment is used to load and unload containers?*
4. *Translate the following text about port structures from English into Croatian using the appropriate terminology.*
5. *Based on the following scenario, use the appropriate terminology and place an order in English via e-mail.*

1.10. Main Reading

1. Boris Pritchard (2001) *Maritime English 1*, Školska knjiga (selected units available online on www.moodle.srce.hr),
2. Mark Powell & Simon Clarke (2003) *In Company. Macmillan Business English* (Student's Book+ CD) – Intermediate, Macmillan Publishers
3. Peter van Kluijven (2005) *The International Maritime Language Programme*, De Alk & Heijen,
4. *MarEng Learning Tool*: http://mareng.utu.fi – selected units

1.11. Recommended Reading

1. John Allison, Jeremy Townend (2017) *In Company 3.0 Logistics* (Student's book), Macmillan Publishers

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Boris Pritchard (2001) *Maritime English 1*, Školska knjiga (selected units available on line on www.moodle.srce.hr)	Available online	65
Mark Powell & Simon Clarke (2003) *In Company. Macmillan Business English* (Student's Book+ CD) – Intermediate, Macmillan Publishers	10	65
Peter van Kluijven (2005) *The International Maritime Language Programme*, De Alk & Heijen	10	65
MarEng Learning Tool: http://mareng.utu.fi – selected units	Available online	65

1.13. Quality Assurance

Quality assurance is based on the Faculty's ISO 9001 system. Yearly analysis is carried out based on quantitative student examination data, and qualitative data based on student survey derived at the end of each semester. Furthermore, specifically to this course, all data from exams, seminars and projects are freely accessed on e-learning site by the students attending the course.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Maja Redžić, mag.cin.		
Course	Physical Education 2		
Study Programme	Logistic and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	1st year	2nd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		1
	Number of Hours (L+E+S)		0 + 30 + 0 (0 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The goals of physical and health culture are:
- acquaintance with the principles of biopsychosocial characteristics of man
- acquiring knowledge about the factors that cause illnesses and injuries
- adopting a certain fund of motor information necessary for a more meaningful use of leisure time
- meeting the biopsychosocial human need for movement
- building humane interpersonal relationships
- increase of creative ability and adaptation to contemporary living and working conditions
- by training appropriate programs to train a person for independent and responsible care for the preservation and promotion of personal health, work and other abilities

1.2. Prerequisites for Course Registration

Prerequisite for enrollment is a passed Physical Education 1

1.3. Expected Learning Outcomes

1. Positive impact on functional abilities.
2. Develop a more meaningful use of free time.
3. Assess and develop the solution of everyday motor tasks.
4. Choose the possibility of solving motor tasks in emergency situations.

1.4. Course Outline

Low and high start (improvement of technique), cyclic movement at different paces. Measurement of resting heart rate, after exertion (running) and after running (2 minutes after running). Throwing the ball into the basket with special emphasis on precision (K). Service (upper and lower). Jump with the screw in place and movement. Development of general motor skills (movement coordination, flexibility). Volleyball element technique (O). Hi aerobics. Volleyball rules and application in the game (O). Work in groups for the development of basketball motor skills (K). Realization of counter-attack (K). Corrective gymnastics. Situational passing and lifting the ball (O). Checking and monitoring motor knowledge and functional abilities.

1.5. Modes of Instruction	☐ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments	Seminar paper is written by part-time students	

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1.7. Student Obligations

Active class attendance and activity in at least 70% of classes.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1	Class participation		Seminar paper		Experiment	
Written exam		Oral exam		Essay		Research	
Project		Continuous Assessment		Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Curse is not graded.
The condition for attending and taking the course is passing the course Physical and Health Culture 1.
During the class, the student's motor movement is positively evaluated. Each class hour accurately monitors each (non) arrival and student activity on a special full-semester Evidence sheet Physical and Health Culture.
The subject of Physical Education and Health Culture is evaluated for a certain semester by enrolling in the ISVU system "PASSED"

1.10. Main Reading

1.11. Recommended Reading

1. Redžić A., Redžić M.: Dodatak kineziološkim znanjima studenata pomoraca u ponudama on- line tehnologija za poticanje tjelesnog vježbanja pomoraca za vrijeme plovidbe. HKS 27. Ljetna škola Kineziologa RH. Poreč 2018.
2. Findak V.: Metodika tjelesne i zdravstvene kulture, Školska knjiga Zagreb, 1999.
3. Anderson B.: Stretching, Vježbe istezanja za svakodnevni fitness: trčanje, plivanje, tenis, biciklizam, skijanje, košarka, nogomet i ostale sportove, Gopal, d.o.o., Zagreb, 1997.
4. Anderson B., Burke E., Pearl B.: Fitnes za sve, Gopal, d.o.o., Zagreb, 1997.
5. Janković V. , N. Marelić.: Odbojka, Fakultet za fizičku kulturu Sveučilišta u Zagrebu, Zagreb 1995.
6. Kosinac, Z.: Kineziterapija, tjelesno vježbanje i sport kod djece i omladine oštećena zdravlja, Split, 1989.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*

1.13. Quality Assurance

The quality of studies is monitored in accordance with the ISO 9001 system and in accordance with European standards and guidelines for quality assurance, which is carried out at the Faculty of Maritime Studies in Rijeka. Once a year, the results of passability are analyzed and appropriate measures are adopted.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Svjetlana Hess, PhD		
Course	Operational Researches		
Study Programme	Logistic and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	3rd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		6
	Number of Hours (L+E+S)		45 + 30 + 0 (3 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The main objective is to enable students to apply quantitative methods in business decision making. Acquisition of knowledge and techniques of quantitative methods in transport and logistics. Identifying specific logistical problem, collecting data, selecting and setting up the appropriate model, and obtaining results (manually and using a software package). Comprehensive analysis of the obtained results that will result in application in a real business environment, in the case where quantification and optimization of transport and logistics services is required.

1.2. Prerequisites for Course Registration

-

1.3. Expected Learning Outcomes

1. describe and interpret the basic principles of operational research methods
2. define a specific problem in transport / logistics
3. determine the criteria and way of making business decisions for logistical problems
4. collect data and set up a model for individual real problem and determine an appropriate method for solving and finding the optimal solution
5. solve real problem from traffic / logistics by applying one of the appropriate methods that were learned during the class
6. interpret the solution or perform a post-optimal analysis
7. compare the obtained results and choose the optimal solution with regard to the set criteria and constraints
8. use the obtained results in practice

1.4. Course Outline

Application of quantitative methods in business decision making. Linear programming. Transport problems. Assignment problem. Application of the mentioned methods on specific practical problems in transport / logistics.

1.5. Modes of Instruction

☒ Lectures	☒ Practical work
☐ Seminars and workshops	☐ Multimedia and Network
☒ Exercises	☒ Laboratory
☐ E-learning	☐ Mentorship
☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

Colloquia and assignments, continuous assessment during classes and final exam.

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1.8. Assessment[1] of Learning Outcomes

Course attendance	2,5	Class participation	0,5	Seminar paper		Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Evaluation procedure: 70% of the grade through exams for students' continuous monitoring/assessment and 30% of the grade through final exam, ie continuous assessment through 2 exams and 4 test assignments and final exam (written): checking the understanding of total acquired knowledge in the field of quantitative methods and their application to specific transport or logistics problems.

Valuation examples:

1. list and define each of the studied methods of operational research
2. define any arbitrary traffic problem that could be solved using one of the quantitative methods
3. determine the appropriate criteria for the specified problem
4. set one practical problem, describe how you will collect the data, set up a model and determine the appropriate method of solving and finding the optimal solution
5. solve the problem applying the appropriate methods learned during class
6. interpret the solution and perform a post-optimal analysis
7. compare the obtained results and choose the optimal solution according to the set and constraints
8. explain the way in which the obtained results can be used in practice

1.10. Main Reading

- Brajdić, I., Matematički modeli i metode poslovnog odlučivanja, Fakultet za menadžment u turizmu i ugostiteljstvu, Opatija, 2013.
- Barković, D., Operacijska istraživanja, Ekonomski fakultet, Osijek, 2001.
- Zenzerović, Z., Operacijska istraživanja, Zbirka zadataka, Fakultet za pomorstvo i saobraćaj, Rijeka, 1983

1.11. Recommended Reading

- Pašagić, H., Matematičke metode u prometu, Fakultet prometnih znanosti, Zagreb, 2003.
- Babić, Z., Linearno programiranje, Ekonomski fakultet u Splitu, Split, 2010.
- Kalpić, D., Mornar, V., Operacijska istraživanja, Fakultet elektrotehnike i računarstva, Zagreb, 1996.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Barković, D., Operacijska istraživanja, Ekonomski fakultet, Osijek, 2001.	5	70
Brajdić, I., Matematički modeli i metode poslovnog odlučivanja, FMTU, Opatija, 2013.	5	70
Zenzerović, Z., Operacijska istraživanja, Zbirka zadataka, Fakultet za pomorstvo i saobraćaj, Rijeka, 1983.	5	70

1.13. Quality Assurance

The studying quality is monitored following the ISO 9001 system, as well as European standards and guidelines for quality assurance, carried out at the Faculty of Maritime Studies, University of Rijeka. Analysis of exam passing is done once a year, and once a semester a survey is conducted among students.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Assoc. Prof. Borna Debelić, PhD		
Course	Management		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	3rd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		6
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Introduction to relevant aspects of contemporary management theory. Bring the theoretical knowledge of modern management closer to the practical application in modern companies as well as economic and entrepreneurial practice.

1.2. Prerequisites for Course Registration

No additional prerequisites.

1.3. Expected Learning Outcomes

1. Explain the elements and relationships in the business management system
2. Emphasize and explain the importance of ethics and social responsibility in modern management
3. List and interpret the basic determinants and planning process
4. Explain the organization as part of the management process
5. List and explain the approaches of motivation and the role of leadership in the development of business competitiveness
6. Describe and explain the principles and content of interpersonal relationship management
7. List and interpret methods and techniques of managerial control

1.4. Course Outline

Management: science, theory and practice; Company environment; Ethics and social responsibility of management; Basic planning determinants; Strategy and strategic planning; Decision making; Basics of organization; Forms of organizational structure; Planning, recruiting, selection and human resource development; Performance assessment and compensation management; Leadership; Motivation; Interpersonal processes; Basics of control; Control methods and techniques

1.5. Modes of Instruction	☒ Lectures ☒ Seminars and workshops ☒ Exercises ☒ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☐ Laboratory ☒ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

1. Attending classes
2. Actively participate in classes
3. Study, research and solving tasks
4. Colloquiums
5. Final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1	Class participation	1	Seminar paper		Experiment	
Written exam	1	Oral exam	1	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Through colloquiums, experiment and course attendance and participation students achieve up to 70% (Learning Outcomes from 1 to 7), while with the written Final Exam (Learning Outcomes from 1 to 7) up to 30% of total score.

Examples of Assessment of Learning Outcomes:

1. List and discuss the elements and relationships in a business management system (Learning Outcome 1)
2. State and explain the importance of ethics and social responsibility in modern management (Learning Outcome 2)
3. Describe the basic determinants of planning and list the elements of the business planning process (Learning Outcome 3)
4. Describe and explain the organization as part of the management process (Learning Outcome 4)
5. List the approaches in motivation and explain the role of leadership in the development of business competitiveness (Learning Outcome 5)
6. Explain and describe the principles and content of interpersonal relationship management (Learning Outcome)
7. List the elements and explain the process of managerial control (Learning Outcome 7)

1.10. Main Reading

1. Buble, M. (2006). Osnove menadžmenta. Zagreb: Sinergija d.o.o.
2. Sikavica, P., Bahtjarević- Siber, F.,Vokić Pološki, N. (2008). Temelji menadžmenta. Zagreb: Školska knjiga

1.11. Recommended Reading

1. Sikavica, P., Bahtijarević-Šiber, F. (2004). Menadžment. Zagreb: Masmedija d.o.o.
2. Buble M. (2000). Menadžment. Split: Ekonomski fakultet.
3. Nicholas, C. S. (1995). Menadžment malih poduzeća. Zagreb: Mate d.o.o.
4. Sikavica, P., Bahtijarević-Šiber, F. (2001). Leksikon menadžmenta. Zagreb: Masmedija d.o.o.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*

1.13. Quality Assurance

Quality assurance system of educational process is in accordance with ISO 9001:2000 system as implemented on Faculty of Maritime Studies Rijeka. Analysis of exams is carried out annually. Students' evaluation is carried out each semester (more details provided in part describing organization of the Faculty).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Axel Luttenberger, Ph.D., Full Professor with tenure		
Course	Commercial and transport law		
Study Programme	Logistics and Management in Marine Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	1st semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		45 + 0 + 0 (3 + 0 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Acquisition of knowledge about the basic characteristics of the company. Knowledge of the structure of the company and the responsibility of the organs of society and the meaning of nominate and innominate contracts, and non-contractual responsibility. Knowledge of the rules of interpretation of traffic law contracts, and the specificities of certain branches of transport.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

1. Properly define and interpret the fundamental concepts of commercial and transport law.
2. Describe and interpret the legal framework of the company.
3. Distinguish between contractual and non-contractual liability and individual contracts,
4. Explain new tendencies in the development of commercial and transport law
5. To argue the significance and impact of contractual and non-contractual liability.
6. To analyze, compare and demonstrate the specificities of certain types of commercial and transport law

1.4. Course Outline

Common provisions of the formation of companies. Specifics of a particular type of companies. Role court register. Civil and contractual law. Specific types of contracts. Contracts in maritime transport, air, road and rail transport.

1.5. Modes of Instruction		
	☒ Lectures	☐ Practical work
	☐ Seminars and workshops	☒ Multimedia and Network
	☒ Exercises	☐ Laboratory
	☒ E-learning	☐ Mentorship
	☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

Students enrolled at the Faculty of Maritime Studies are expected to observe *the code of conduct* required by the academic institution, and regularly attend lectures and practical work sessions

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation	0,5	Seminar paper		Experiment	
Written exam		Oral exam		Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio			1				

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Through continues assessment student achieves up to 70% (Learning Outcomes from 1 to 6), while with the written Final Exam (Learning Outcomes from 1 to 6) up to 30% of total Score.
Examples of Assessment of Learning Outcomes:

1. Specify the meaning of the term of the company headquarters.
2. What is the competence of the management of the company.
3. List the types of shares.
4. What are the obligations of the seller.
5. Explain the concept of carrier liability.

1.10. Main Reading

Gorenc, Vilim, Pravo trgovačkih društva, Baltazar Adam Krčelić, Zaprešić, 2011.
Slakoper, Zvonimir, Kačer, Hrvoje, Luttenberger, Axel, Osnove prava trgovačkih ugovora i vrijednosnih papira, Mikrorad, Zagreb, 2009.
Course teaching material available on e-learning system - Merlin (https://moodle.srce.hr)

1.11. Recommended Reading

Zakon o trgovačkim društvima, Narodne novine, 111/93., 34/99., 52/00, 118/03., 107/07., 146/08., 137/09, 152/11., 111/12., 68/13, 110/15
Zakon o obveznim odnosima, Narodne novine, 35/05., 41/08., 125/11, 78/15

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Gorenc, Vilim, Pravo trgovačkih društva, Baltazar Adam Krčelić, Zaprešić, 2011.	50	70
Slakoper, Zvonimir, Kačer, Hrvoje, Luttenberger, Axel, Osnove prava trgovačkih ugovora i vrijednosnih papira, Mikrorad, Zagreb 2009		
Course teaching material available on e-learning system - Merlin	web	web

1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and in accordance with European quality assurance implemented at the Faculty of Maritime Studies in Rijeka. Once a year, the results of the student pass rate and adopt appropriate measures.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Alen Jugović, PhD, full professor		
Course	Shipping economics		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	3rd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The goal of the course is to acquaint students with the field covered by the Shipping Economics and to apply this knowledge into specific cases in practice. Pursuant to the goal, the tasks and content of the course were designed in such a way that, by applying basic economic principles, the attempt was made to explain the business of shipping companies and all entities in the maritime transport service.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

1. Explain the basic concepts within the shipping industry
2. Explain the specifics of each type of shipping and transportation technology
3. Explain the economic principles of doing business in maritime shipping
4. Apply techniques for calculating fares, ship costs and freight costs
5. Assess supply and demand for transportation
6. Understand the importance and impact of particular phenomena (globalization, informatization etc.) on the development and competitiveness of shipping companies

1.4. Course Outline

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MARITIME SHIPPING ECONOMICS. Definition, subject of research, application of scientific and theoretical knowledge in practice.

CALCULATIONS. Measuring business results. Business success and benchmarks, productivity, economy, profitability.

SPECIAL TYPES OF MARITIME SHIPPING ACTIVITIES. Economic and technological criteria defining different types of shipping. Passenger shipping, free, liner, tanker shipping.

FORMATION OF FARES IN MARITIME SHIPPING. The concept and types of fares. Characteristics and formation of freight rates in certain types of shipping industry.

MARITIME TRANSPORT COSTS. Definition of costs. Types of costs in maritime shipping. Fixed and variable costs. Marginal cost. Total costs of a ship's voyage.

SHIPPING COSTS OPTIMIZATION.

PERFORMANCE INDICATORS IN MARITIME SHIPPING. Labor productivity. Business efficiency. Business profitability. Optimal size and speed of the ships in terms of cost-effectiveness.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Attending classes
Attending exercises
Classroom activity
Exams (continuous assessment) and tests
Final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	0,5	Class participation	0,5	Seminar paper		Experiment	
Written exam	2	Oral exam		Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Assessment is carried out by conducting two exams (continuous assessment), two tests during the classes and the final exam.

1. *Define the term maritime shipping.*
2. *Define economic and technological criteria that represent different types of maritime shipping in the context of passenger shipping, free shipping, liner shipping and tanker shipping*
3. *List and explain the basic principles of economy in maritime shipping*
4. *Explain which parameters are taken into account when calculating fares and how the defined transport conditions affect the calculation of the fare?*
5. *What are the factors in the maritime market that affect the quantity of supply and the quantity of demand for transport?*
6. *Explain how globalization affects the competitiveness of shipping companies.*

1.10. Main Reading

1. Domijan-Arneri, I.: Poslovanje u morskom brodarstvu, Redak, Split, 2014.
2. Kesić, B; Jugović, A.; Debelić, B.: Ekonomika brodarstva riješeni zadaci, Pomorski fakultet Sveučilišta u Rijeci, Rijeka, 2013.
3. Stopford, M.: Maritime Economics, Routledge, London & New York, 2009 -...

1.11. Recommended Reading

1. Kesić, B., Jugović, A.: Menadžment pomorskoputničkih luka, Pomorski fakultet Sveučilišta u Rijeci, Rijeka, 2006.
2. Wayne K. Talley: The Blackwell Companion to Maritime Economics, John Wiley & Sons, 2011.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Jugović; A.: Upravljanje morskom lukom, Pomorski fakultet Sveučilišta u Rijeci, Rijeka, 2013.	20	40
Kesić, B.: Ekonomika luka, Pomorski fakultet, Rijeka 2003. (dio)	10	40
Wayne, K.Talley: Port economics, Routledge – Taylor and Francis Group, London and New York, 2009.	10	40

1.13. Quality Assurance

Quality assurance system of educational process is in accordance with ISO 9001:2000 system as implemented on Faculty of Maritime Studies Rijeka. Analysis of exams is carried out annually. Students' evaluation is carried out each semester (more details provided in part describing organization of the Faculty).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Tanja Poletan Jugović, PhD, Full Professor Siniša Vilke, PhD, Assistant Professor		
Course	Cargo in Transport		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	3rd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30+15+0

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Defining relevant terms and forms of products, goods and cargo in transport. Understanding the role and meaning of knowing the nature of materials and cargo in transport. Getting to know the nature of materials and cargo in transport as important prerequisites for the organization of transport and transport manipulations. Introduction to basic and specific classifications, division and categorization of cargo. Analysis of basic cargo properties and methods of testing the quality of cargo properties. Defining the specifics and rules of transport, transhipment, transhipment, storage, packaging, packaging and signing of certain types of cargo (liquid cargo, bulk cargo, general cargo, dangerous cargo, oversized cargo ...) with regard to different modes of transport (road, rail, maritime, air ...).

1.2. Prerequisites for Course Registration

-

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

1. Distinguish the types of basic and specific divisions of cargo/goods in relation to different criteria.
2. Distinguish international trade classifications of goods in transport.
3. Define and interpret the concept of quality of cargo/goods in transport.
4. Properly define the basic properties and characteristics of cargo/goods in transport.
5. Describe and interpret the specific properties and characteristics of individual types of cargo (within the group of liquid, bulk, general, oversized, ... cargo).
6. Distinguish and explain the ways of testing the properties of certain types of cargo / goods.
7. Distinguish and interpret the rules and specifics of transport of certain types of cargo.
8. Explain and distinguish the systems of marking goods and certain types of cargo.
9. Define and distinguish basic and specific types of (transport) packaging (palletizing, containerization,...).
10. Describe and compare the rules, requirements and specifics of packaging, wrapping and signing of certain types of cargo.

1.4. Course Outline

Relevant terms and forms of products, goods and cargo in circulation; The meaning of knowledge of the nature of materials in transport, the concept of quality of goods in transport; Classification and nomenclature of goods in transport, Systems for identification and marking of goods; Packaging and wrapping of goods in transport; Basic properties and testing of materials; metallic and non-metallic raw materials; General cargo; bulk cargo; Other important dry cargoes in transport; Liquid cargo; Gaseous cargoes; Perishable goods; Heavy and oversized loads; Dangerous substances in transport.

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1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Preparation of seminar paper, presentation of seminar paper, 1st and 2nd exam through continuous monitoring and assessment and final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper	1	Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	1,5	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The procedure for evaluating the acquired learning outcomes takes place according to the Rule book of Studies at the University of Rijeka and Studying regulation at the Faculty of Maritime Studies in Rijeka as follows:

- 70% of the acquired learning outcomes within the 1st exam (25%), 2nd exam (25%) are evaluated through continuous monitoring and assessment during classes, and through the presentation of the research task - seminar (20%); the student must realize a minimum of 50% of points for each exam, and the presentation of the research task is evaluated on the basis of elaborated assessment criteria;
- at the final part of the exam, 30% of the acquired learning outcomes are evaluated, and the student must realize a minimum of 50% of points to pass the final exam.

Examples of evaluating learning outcomes in relation to defined learning outcomes are:

1. List and classify the basic types of cargo according to the criterion of physical state, value and quality of cargo and other specific criteria for the division of cargo/goods in transport.
2. Explain and emphasize the importance of trade classification of goods in transport.
3. Define and describe the basic definitions of the concept of quality of cargo/goods in transport.
4. Describe and explain the basic properties and characteristics of individual groups of cargo/goods in transport.
5. State and interpret the specific properties of certain types of cargo (wood, cotton, hazardous substances, ...).
6. Explain and describe possible ways of testing the properties of certain types of cargo/goods and compare them with each other.
7. State and explain the rules and specifics of the transport of dangerous goods.
8. Define types and assess the importance of marking cargo/goods in logistics and transport processes.
9. Sort and explain the characteristics of individual types of transport packaging.
10. Emphasize the most important rules and requirements for packaging, wrapping and signing of liquid, bulk, general and dangerous types of cargo.

1.10. Main Reading

- Hrvoje Baričević, Tanja Poletan Jugović, Siniša Vilke, Tereti u prometu , Pomorski fakultet u Rijeci, Sveučilište u Rijeci, 2010.
- teaching material available within the e-course Cargo in Transport- published on the e-learning system - Merlin (https://moodle.srce.hr) in the current academic year

1.11. Recommended Reading

- Džanić, H., Tehnologija materijala u prometu, Fakultet prometnih znanosti Zagreb, Sveučilište u Zagrebu, Zagreb, 1989.
- Musil, B., Pregrad, N., Turina, N., Žerjal, B., Poznavanje robe, Ekonomski fakultet Zagreb, Zagreb, 1997.
- Turina, N, i dr., Poznavanje robe, Zagreb, 1997.
- Štrumberger, N., Rukovanje materijalima u prometu, Fakultet prometnih znanosti, Sveučilište u Zagrebu, Zagreb, 2000.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
H. Baričević, T. Poletan Jugović, S. Vilke, Tereti u prometu , Pomorski fakultet u Rijeci, Sveučilište u Rijeci, 2010.	5	55
teaching material available within the e-course Cargo in Transport - published on the e-learning system - Merlin (https://moodle.srce.hr) in the current academic year	unlimited	55

1.13. Quality Assurance

The studying quality is monitored following the ISO 9001 system, as well as European standards and guidelines for quality assurance, carried out at the Faculty of Maritime Studies, University of Rijeka. Analysis of exam passing is given annually and a survey among students is conducted by the semester.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Sandra Tominac Coslovich, PhD, Associate professor		
Course	English language 3		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	3rd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		3
	Number of Hours (L+E+S)		15 + 30 + 0 (1 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Course objectives meet the English language requirements for obtaining a B. Sc. degree in Logistics and Management in Maritime Transport and include acquiring communicative competence for effective use of English as a language of international maritime communication for the purpose of ensuring efficient business operations and management in the maritime industry.

1.2. Prerequisites for Course Registration

Successful completion of English language 2 course

1.3. Expected Learning Outcomes

Upon completing the course the students will be able:

1. To demonstrate 4 basic language skills in English: reading, writing, listening and speaking at B2 level (independent user) according to the Common European Framework of Reference for languages
2. To demonstrate specialized language knowledge and skills for the purpose of performing specialist jobs in the field of logistics and management in maritime transport
3. To express themselves in speech and in writing and discuss specialist topics in English
4. To translate specialized texts from English into Croatian and vice versa
5. To use language skills in written and verbal communication in English among different specialists in the field of maritime transport

1.4. Course Outline

The course focuses on *content-based learning*. It applies the *communicative approach* to learning and teaching English as a Foreign Language (EFL) and English as a Second Language (ESL). The course focuses on the acquisition and practical use of: vocabulary/terminology skills (terms, polysemous words, multiple-word lexical units, collocations, lexical sets), discourse and pragmatic elements of shipping-related texts and communication, most frequent and typical grammatical structures and features restricted to maritime discourse (written and spoken) regarding the following topics: the structure of shipping – ship's interest, cargo interest, ancillary services, shipping procedure and documents, Bill of lading – types, functions, samples, receiving and delivering cargo, tracking shipments, handling complaints, INCOTERMS, methods of payment, business correspondence regarding delivery of cargo, sending inquiries/replies, writing reports

1.5. Modes of Instruction		
	☒ Lectures	☐ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☒ Exercises	☐ Laboratory
	☐ E-learning	☐ Mentorship
	☐ Field work	☐ Other _____

1.6. Comments	

1.7. Student Obligations

1. course attendance (lectures and exercises)
2. passing two written tests
3. passing final oral exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper		Experiment	
Written exam		Oral exam	0,5	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

2 continuous assessments/test + final oral exam

1. Describe the shipping procedure in writing
2. Explain the terms 'shipper' and 'carrier' and state the Croatian equivalents
3. Enumerate and explain the different types and functions of the Bill of lading
4. Translate the following text on brokerage from English into Croatian by using appropriate terminology
5. Use the appropriate terminology and send an inquiry to a carrier via e-mail regarding the delay in shipment

1.10. Main Reading

1. Pritchard, B. (2001) *English in Shipping and Maritime Law*. Selected units available on Merlin (moodle.srce.hr)
2. Ashley, A. (2003) ***Oxford Handbook of Commercial Correspondence,*** (Student's Book and Workbook). Oxford University Press
3. Jones, L. & Alexander, R. (1996) *New International Business English*, Cambridge UP

1.11. Recommended Reading

1. Allison, J, Townend, J. (2017) *In Company 3.0 Logistics* (Student's book), Macmillan Publishers
2. MarEng Plus Learning Tool: http://mareng.utu.fi – selected units

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Pritchard, B. (2001) *English in Shipping and Maritime Law*. Selected units available on Merlin (moodle.srce.hr)	Available online	40
Ashley, A. (2003) *Oxford Handbook of Commercial Correspondence,* (Student's Book and Workbook). Oxford University Press	10	40
Jones, L. & Alexander, R. (1996) *New International Business English*, Cambridge UP	10	40

1.13. Quality Assurance

Quality assurance is based on the Faculty's ISO 9001 system. Yearly analysis is carried out based on quantitative student examination data, and qualitative data based on student survey derived at the end of each semester. Furthermore, specifically to this course, all data from exams, seminars and projects are freely accessed on e-learning site by the students attending the course.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	doc. dr. sc. Dražen Žgaljić		
Course	Transport systems		
Study Programme	Logistics and management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	4th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 0 + 0 (2 + 0 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Introducing students to different technologies of freight and passenger transport, the basics and differences of transport infrastructure management and transport organization, as well as to criteria for performance evaluation.

1.2. Prerequisites for Course Registration

n/a

1.3. Expected Learning Outcomes

After passing the course, the student will be able to:
- explain different ways and technologies of freight and passenger transport,
- explain transport infrastructure management models (road, rail, sea, inland waterways),
- explain the ownership structures of different transport infrastructures,
- explain different ways of organizing the transport of goods and passengers,
- explain the external and internal success factors of each part of the transport chain,
- understand and explain privatization models in ports,
- understand the characteristics of the Short Sea Shipping system,
- understand the characteristics of the Motorways of the Sea system,
- understand public transport services,
- understand the impact of transport on society and the environment.

1.4. Course Outline

Define, describe and explain the elements of the transport system / transport chain. Introduction in and understanding the interdependence of elements and branches of the transport system (for each system separately). Technical-technological features of all branches of transport and modern transport technologies. Ownership of transport system elements. Models of transport systems development. Transport systems management models. Liberalization of transport sector business operations. Criteria for evaluating the performance of individual elements of the transport system and interdependence of a multimodal system. Introduction of modern technologies / transport systems in the flow of goods in the Republic of Croatia for the purpose of inclusion in international goods flows (SSS and MoS). Public transport service. Impact of transport on society and the environment.

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1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☐ Exercises ☐ E-learning ☒ Field work	☐ Practical work ☒ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments	n/a	

1.7. Student Obligations

1. Attending classes
2. Class participation
3. Activity in the e-learning system
4. Written exam
5. Final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1	Class participation		Seminar paper		Experiment	
Written exam		Oral exam		Essay		Research	
Project		Continuous Assessment	2,5	Presentation		Practical work	
Portfolio		Final exam	1,5				

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The evaluation of acquired knowledge is carried out through:

1. two written exams,
2. e-learning system during classes,
3. the final exam.

Examples of evaluating learning outcomes:

1. describe different intermodal modes of transport,
2. analyse transport infrastructure management models,
3. describe the different ways of organizing freight transportation,
4. describe the impact of external success performance factors of the railway section of the traffic route,
5. compare privatization models in ports,
6. describe the functioning of the Short Sea Shipping system,
7. propose a solution to encourage the development of Motorways of the Sea at the regional level or transport corridor level,
8. describe the characteristics of the public service in maritime passenger transport,
9. compare the impact of road and rail transport on society and the environment.

1.10. Main Reading

Bošnjak, I., Badanjak, D.: Osnove prometnog inženjerstva, Fakultet prometnih znanosti Sveučilišta u Zagrebu, Zagreb, 2005.
Bošnjak, I: Inteligentni transportni sustavi 1, Fakultet prometnih znanosti Sveučilišta u Zagrebu, Zagreb, 2006.
Božičević, D., Kovačević, D.: Suvremene transportne tehnologije, Fakultet prometnih znanosti Sveučilišta u Rijeci, Zagreb, 2002.
Estache, A., De Rus, G.: Privatization and Regulation of Transport Infrastructure Guidelines for Policymakers and Regulators, World Bank Development Studies, World Bank, 2000.
Zelenika, R.: Multimodalni prometni sustavi, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka, 2006.
Zelenika, R.: Pravo multimodalnog prometa, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka,2006.
Zelenika, R.: Prometni sustavi, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka, 2001.

1.11. Recommended Reading

Baričević H.: Tehnologija kopnenog prometa, Pomorski fakultet, Rijeka, 2001.
Božičević, J. i drugi autori: Hrvatska u 21. stoljeću – Promet. Vlada Republike Hrvatske, Ured za strategiju razvitka Republike Hrvatske, Zagreb, 2001.
Bukljaš Skočibušić, M., Radačić, Ž., Jurčević, M.: Ekonomika prometa, Fakultet prometnih znanosti Sveučilišta u Zagrebu, Zagreb, 2011.
Dundović, Č.: Lučki terminali, Udžbenici Sveučilišta u Rijeci, 2002.
Dundović, Č.: Prekrcajna sredstva prekidnoga transporta, Pomorski fakultet Sveučilišta u Rijeci, Glosa, Rijeka, 2005.
Dundović, Č.: Tehnološki procesi u prometu, Sveučilište u Rijeci, Odjel za pomorstvo, Rijeka, 2001.
Jugović, A.: Upravljanje morskom lukom, Pomorski fakultet Sveučilišta u Rijeci, 2012.
Miloš, I.: Tehnologija i organizacija intermodalnog prometa, Veleučilište u Rijeci, 2011.
Ortuzar, J de D., Willumsen, L. G.: Modelling Transport, 4th Edition, John Wiley and Sons, 2011.
Zečević, S.: Robni terminali i robno transportni centri, Saobraćajni fakultet univerziteta Beograd, 2006.
Scientific papers related to the topic of transport systems, MoS, and SSS published in foreign and domestic journals

1.12. Number of Main Reading Examples

Title	*Number of copies*	*Number of students*
Bošnjak, I., Badanjak, D.: Osnove prometnog inženjerstva, Fakultet prometnih znanosti Sveučilišta u Zagrebu, Zagreb, 2005.	8	
Bošnjak, I: Inteligentni transportni sustavi 1, Fakultet prometnih znanosti Sveučilišta u Zagrebu, Zagreb, 2006.	6	
Božičević, D., Kovačević, D.: Suvremene transportne tehnologije, Fakultet prometnih znanosti Sveučilišta u Rijeci, Zagreb, 2002.	3	
Estache, A., De Rus, G.: Privatization and Regulation of Transport Infrastructure Guidelines for Policymakers and Regulators, World Bank Development Studies, World Bank, 2000.	Web	
Zelenika, R.: Multimodalni prometni sustavi, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka, 2006.	2	
Zelenika, R.: Pravo multimodalnog prometa, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka,2006.	6	
Zelenika, R.: Prometni sustavi, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka, 2001.	7	

1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and the European standards and guidelines for quality assurance carried out at the Faculty of Maritime Studies in Rijeka. The results on positive performance at studies are analyzed once a year and appropriate measures are adopted.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Edvard Tijan, PhD, Associate Professor		
Course	Information technologies in logistics		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	2nd semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		6
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The objective of the course is to acquaint students with information and communication technologies (ICT) and their application in maritime transport, transport in general and logistics, to define basic concepts related to information technologies, their development, application, types and to motivate students for further learning in the field of ICT.

Students will be provided with ICT knowledge in terms of hardware, software, human resources and computer networks. Students will be introduced to information and communication technologies in companies in the field of maritime transport, transport in general and logistics.

1.2. Prerequisites for Course Registration

Successfully completed course "Applied computer science.

1.3. Expected Learning Outcomes

Students will be able to:

1. *Describe the state of the art and trends of development of modern information and communication technologies and systems*
2. *Understand the key aspects of hardware, software and computer networks*
3. *Understand the processes, methods and technologies of managing IT services and resources*
4. *Explain the principles of databases, business applications and business systems*
5. *State e-commerce technologies*
6. *Classify information technologies applicable in transport, maritime transport and ports*
7. *Explain ethical principles, legislation and standards applicable to ICT*

1.4. Course Outline

The term, types, features and activities of a system and an information system. Fundamentals of information system development. Historical development of ICT, informatics, computer science, ICT society, information organization.
Hardware. Software. Computer networks. Internet. Databases. E-business, e-banking, m-banking.
Procurement and development of information systems. ICT in transport, information flows in transport chain. ICT in maritime transport (VTS, VTMIS, AIS, ECDIS, PMIS…). ICT in ports.

1.5. Modes of Instruction

☒ Lectures	☒ Practical work
☐ Seminars and workshops	☐ Multimedia and Network
☒ Exercises	☐ Laboratory
☐ E-learning	☐ Mentorship
☐ Field work	☐ Other _____

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1.6. Comments	

1.7. Student Obligations

The student is required to attend and actively participate in lectures and exercises and be present in at least 70% of classes. All continuous assessments affect the grade, none of which should be satisfied with less than 50%.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation	0,5	Seminar paper		Experiment	
Written exam		Oral exam	1,5	Essay		Research	
Project		Continuous Assessment	2,5	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The evaluation is based on the continuous knowledge assessments (through 2 midterm examinations - total 70%), the final part of the exam (30%) and additional tasks.

Examples of evaluating learning outcomes are follows:

- *List the trends in the development of modern ICT*
- *Explain the key aspects of computer architecture*
- *Describe methods for managing ICT services*
- *List the data models and explain the database schema*
- *Describe potential applications for a mobile business*
- *Explain the benefits of implementing AIS and ECDIS systems in maritime transport*
- *List the main features of the electronic document and electronic signature*

1.10. Main Reading

Mile Pavlić: Informacijski sustavi, Školska knjiga, Zagreb, 2011.

1.11. Recommended Reading

1. Velimir Srića et al.: Poslovna informatika, Element, Zagreb, 2009.
2. Vlatko Ćerić, Mladen Varga (ur): Informacijska tehnologija u poslovanju, Element, Zagreb, 2004.
3. Mark Charlton: A Handbook of Information Technology, Global media New Delhi, 2009.
4. Information Communication Technologies (resource materials), National Institute of Education, Maharagama, Sri Lanka, 2006.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Mile Pavlić: Informacijski sustavi, Školska knjiga, Zagreb, 2011.	10	70

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually, and a student survey is conducted once a semester. All data, including exam, written work and assessment, are at all times public data for all students who have enrolled in the course (on the e-learning platform).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Ana Perić Hadžić, PhD, Associate Professor		
Course	Financial management		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	4th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The main objective of the course is for the student to learn the basics of corporate finance, financial legality and the logic of financial management in the company through financial statements and indicators, in order to be able to deal with current financial problems in practice, and to answer the many challenges that modern financial business brings.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

After completing the course, the student should know:

1. Describe and explain the basic concepts of financial management (capital, risk, profit, financing)
2. Understand the basic principles of financing business organizations
3. Define and interpret sources of financial information within an enterprise
4. Interpret the phenomenon of time preference for money
5. Explain the basics of financial planning and control
6. Classify different forms of financing in relation to the value of the investment
7. Plan short-term financing models
8. To plan medium-term business organization financing models
9. Explain long-term financing models for business organization expansion
10. Interpret the meaning of business organization restructuring

1.4. Course Outline

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Introduction to Financial Management (Capital and Financial Management, Business Organization with regard to risk, gain and control)
Sources of Financial Information (Balance Sheet as Source of Financial Information, Profit or Loss Account as Source of Financial Information, and Developmental Analysis of Asset Movements)
Interest rate and time value of money.
Financial analysis and planning. Analysis of financial position.
Financial planning. Ongoing financial planning. Business expansion planning.
Short-term financing models (Trade loans. Banking and other sources of credit. Securing short-term loan repayments.)
Models of medium-term financing (credits, rent / loan).
Long-term financing models (Lending. Securities issue. Financial market. Capital market. Investment funds. Bond business financing. Equity financing.)
Depreciation financing
Financial restructuring. Financial significance of selling or merging multiple businesses.
Remedial actions in case of financial difficulties of the company.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

The student must attend at least 70% of the total hours of lectures and exercises and must have passed the exams (continuous assessment) to take the final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation	0,5	Seminar paper		Experiment	
Written exam	1	Oral exam	1	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The process of evaluation of the acquired learning outcomes takes place during continuous assessments (through 2 midterm examinations - total 70%) and at the final part of the exam (30%).

Examples of evaluating learning outcomes in relation to the learning outcomes that are set are:

1. Define the term capital
2. Understand the basic principles of business organization financing
3. What are the main sources of financial information in a company
4. What is time preference for money? Give an example of its application?
5. Which activities does financial planning cover?
6. In relation to time, what kind of financing do we recognize?
7. What models of short-term financing do you know?
8. List the pros and cons of financing with advance or loan.
9. Explain the differences in financing a business by issuing shares and bonds
10. What does restructure of business organizations mean?

1.10. Main Reading

1. Authorized lectures on the e-learning platform MERLIN (online materials)

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1.11. Recommended Reading

1. Van Horne, J.C., Financial Management and Policy, 12th Edition, California, 2002, Stanford University.
2. Foley, B.J., Capital Markets, Macmillan Education Ltd, London, 1991.
3. Shiller, Robert J., Finance and the Good Society, Princeton New Jersey, Princeton University Press, 2012

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
1. Authorized lectures on the e-learning platform MERLIN (online materials)	50	50

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually and a student survey is conducted once a semester. All data, including exam, written work and assessment, are at all times public data for all students who have enrolled in the course (on the e-learning platform).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Dražen Žgaljić, PhD		
Course	Logistics Engineering		
Study Programme	Logistic and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	4th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		6
	Number of Hours (L+E+S)		30 + 30 + 0 (2 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

This subject is a survey of analytic tools, approaches, and techniques that are useful in the design and operation of logistics systems and integrated supply chains in the transportation environment. The four primary objectives of this course are:

1. *Introduce students to the analytic model-based approach for analyzing logistics problems,*
2. *Reinforce the importance of using total supply chain costs in all analysis,*
3. *Provide students with techniques for measuring and managing supply chain uncertainty, and*
4. *Introduce the idea of using a portfolio of solutions, rather than a single approach, for real-world logistics problems.*

1.2. Prerequisites for Course Registration

Essential economy, Cargo flows, English

1.3. Expected Learning Outcomes

After passing the exam, the students will be able to:

1. Understand and use the basic concepts of logistics, modern theoretical, and practical achievements in the field of logistics and supply chain.
2. Understand the complex and interactive flows and functions of logistics.
3. Analyze and understand the physical, information, and cash flows in logistics.
4. Acquire knowledge of the models and budgets of logistics systems.
5. Detect the anticipated logistics needs.
6. Calculation of logistics network, resource allocation, vehicle routing, logistics costs, supply management, and determination of the optimal position of logistics resource.

1.4. Course Outline

Logistics. Logistic planning. Logistic strategies. Quality and sustainability in logistics. Distribution systems. Distribution channels. Transport modes analyses. Multimodal transport from Logistic view. Road transport. Railroad transport. Maritime transport. Air transport. Transport in manufacturing. Transport costs. Logistics of maritime transport. Logistic networks modelling. Document flow models. Cargo flow models. Logistic cost concept Origin inventory costs. In transit inventory costs. Safety stock costs. Perishable costs. Costs of transportation. Origin warehouse costs. Logistic cost model for maritime transport. BPD technologies in logistics. Business process reengineering. Case studies

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1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☒ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

1. Class attendance
2. Active participation during class
3. Active participation in the e-learning system
4. Taking mid-term exams
5. Active participation during practical class (on computers)
6. Taking the final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	0,5	Class participation		Seminar paper		Experiment	
Written exam	2,5	Oral exam		Essay		Research	
Project		Continuous Assessment	3	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Examples of assessing the learning outcomes:

1. *Explain the basic concepts of logistics and supply chain management.*
2. *Explain logistics flows and components.*
3. *Calculation of vehicle routing.*
4. *Using the computer program Excel, calculate the quantity of goods and the time of the order.*
5. *Predict customer needs based on historical data.*

1.10. Main Reading

1. Čišić, D.: Inženjerska logistika, on-line predavanja, http://moodle.srce.hr/2016-2017/course/view.php?id=12969
2. Taylor, G. Don: Introduction to Logistics Engineering, CRC Press, 2009
3. Čišić, D.: Zbirka zadataka iz logistike, PFRI, Rijeka, 2008

1.11. Recommended Reading

1. Ballou, R. H.: Business logistics/supply chain management, Pearsons, 2004
2. Brandimarte, P., Zotteri, G.: Introduction to Logistics Systems Management, Willey, 2013

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Introduction to Logistics Engineering	5	70
Workbook in Logistics	10	70

1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and with the European standards and guidelines for quality assurance carried out at the Faculty of Maritime Studies in Rijeka.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Alen Jugović, PhD, full professor		
Course	Port economics		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	4th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Acquiring the necessary knowledge in the field of organization and management of seaports, paying particular attention to introducing students to:

- *specificity of port management of national and county significance in the Republic of Croatia,*
- *models of management of seaports in the world,*
- *determining gravity zones,*
- *port functions,*
- *designing the organization,*
- *economic indicators and other factors that depend on the performance of each port.*

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

1. Explain the basic concepts of ports and port system
2. Explain port features as creators of multiplier effects
3. List the types of seaports
4. Analyze port development trends
5. Understand the importance and impact of particular phenomena (globalization, informatization etc.) on the development and competitiveness of ports
6. Analyze and apply basic economic settings to individual cases from port practice (calculation of travel costs, fares, etc.).

1.4. Course Outline

THE ROLE AND IMPORTANCE OF PORTS. Port definition, division of ports and port terminology.
HISTORICAL DEVELOPMENT OF PORTS. The development of ports from ancient times to the present.
INTERNATIONAL MARITIME TRAFFIC AND PORTS. Development of international maritime freight transport. Port development as a consequence of the incensement in maritime freight traffic.
FACTORS RELEVANT FOR THE DEVELOPMENT OF PORTS. Natural benefits of the ports. Technical benefits of the ports. Labor organization in the ports. Customs regime. Tariffs and tariff policy. Economic strength of the port hinterland. The role of the state in port development and port policy measures. Political relations.
GRAVITATION ZONES IN PORTS. The concept and significance of the gravitational zones in ports. Factors relevant for determining the size of the gravitational region. Methods for determining the size of the gravitational region.
PORT FUNCTIONS. Port traffic, trade and industrial function.
PARTICIPANTS IN THE PORT BUSINESS. Administration bodies and business entities.
ORGANIZATION OF PORT SYSTEM COMPONENTS. Zoning and specialization.
PORT AND PORT BUSINESS POLICY. Forms of management in ports.
PORT SYSTEM DEVELOPMENT PLANNING. Port development planning methodology. Port traffic forecast. Financial and economic evaluation of the plan. Types of development plans. Long-term, mid-term and short-term plans.
BASIC ORGANIZATION OF PORT BUSINESS. The concept and types of freight in ports. Traffic and technological process in the ports. Documents in the port business. Daily operational planning. Improvement of the traffic-technological process and business system in the ports. Port jamming.
ECONOMIC INDICATORS OF BUSINESS PERFORMANCE. Determining the value of the port service. Port fees and tariffs, port revenues. Costs in the port business. Labor productivity. Business efficiency. Business profitability.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Attending classes
Attending exercises
Classroom activity
Exams (continuous assessment) and tests
Final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	0,5	Class participation	0,5	Seminar paper		Experiment	
Written exam	2	Oral exam		Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Assessment is carried out by conducting two exams (continuous assessment), two tests during the classes and the final exam.

1. *Define the term port.*
2. *List the regional participants that the port business can have influence on.*
3. *List how ports are divided by purpose.*
4. *Explain how changes in technology affect seaport business.*
5. *Explain how globalization affects port competitiveness.*
6. *List what the port taxes consist of.*

1.10. Main Reading

1. Jugović; A.: Upravljanje morskom lukom, Pomorski fakultet Sveučilišta u Rijeci, Rijeka, 2013.
2. Kesić, B.: Ekonomika luka, Pomorski fakultet, Rijeka 2003.

1.11. Recommended Reading

1. Jugović; A.: Upravljanje morskom lukom, Pomorski fakultet Sveučilišta u Rijeci, Rijeka, 2013.
2. Kesić, B.: Ekonomika luka, Pomorski fakultet, Rijeka 2003.
3. Theo Notteboom, Athanasios Pallis and Jean-Paul Rodrigue (2020) Port Economics, Management and Policy, New York: Routledge, 2020.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Jugović; A.: Upravljanje morskom lukom, Pomorski fakultet Sveučilišta u Rijeci, Rijeka, 2013.	30	40
Kesić, B.: Ekonomika luka, Pomorski fakultet, Rijeka 2003. (dio)	20	40
Wayne, K.Talley: Port economics, Routledge – Taylor and Francis Group, London and New York, 2009.	3	40

1.13. Quality Assurance

Quality assurance system of educational process is in accordance with ISO 9001:2000 system as implemented on Faculty of Maritime Studies Rijeka. Analysis of exams is carried out annually. Students' evaluation is carried out each semester (more details provided in part describing organization of the Faculty).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Sandra Tominac Coslovich, PhD, Associate professor		
Course	English language 4		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	2nd year	4th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		3
	Number of Hours (L+E+S)		15 + 30 + 0 (1 + 2 +0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Course objectives meet the English language requirements for obtaining a B. Sc. degree in Logistics and Management in Maritime Transport and include acquiring communicative competence for effective use of English as a language of international maritime communication for the purpose of ensuring efficient business operations and management in the maritime industry.

1.2. Prerequisites for Course Registration

Successful completion of English language 3 course

1.3. Expected Learning Outcomes

Upon completing the course the students will be able:

1. To demonstrate 4 basic language skills in English: reading, writing, listening and speaking at B2 level (independent user) according to the Common European Framework of Reference for languages
2. To demonstrate specialized language knowledge and skills for the purpose of performing specialist jobs in the field of logistics and management in maritime transport
3. To express themselves in speech and in writing and discuss specialist topics in English
4. To translate specialized texts from English into Croatian and vice versa
5. To use language skills in written and verbal communication in English among different specialists in the field of maritime transport

1.4. Course Outline

The course focuses on *content-based learning*. It applies the *communicative approach* to learning and teaching English as a Foreign Language (EFL) and English as a Second Language (ESL). The course focuses on the acquisition and practical use of: vocabulary/terminology skills (terms, polysemous words, multiple-word lexical units, collocations, lexical sets), discourse and pragmatic elements of shipping-related texts and communication, most frequent and typical grammatical structures and features restricted to maritime discourse (written and spoken) regarding the following topics: charter parties, contracts of affreightment, Notice of readiness, procedures on arrival and departure at a port, logistics jobs

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

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1.7. Student Obligations

1. course attendance (lectures and exercises)
2. passing two written tests
3. passing final oral exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper		Experiment	
Written exam		Oral exam	0,5	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

2 continuous assessments/test + final oral exam

1. Describe the ship's inward clearance procedure
2. Explain the term 'charterer' and state the Croatian equivalents
3. Enumerate and define the different types of charter parties
4. Translate the following text on logistics jobs from English into Croatian by using appropriate terms
5. How would you describe your skills and competencies at a job interview

1.10. Main Reading

1. Pritchard, B. (2001) *English in Shipping and Maritime Law*. Selected units available on Merlin (moodle.srce.hr)
2. Ashley, A. (2003) *Oxford Handbook of Commercial Correspondence,* (Student's Book and Workbook). Oxford University Press
3. Jones, L. & Alexander, R. (1996) *New International Business English*, Cambridge UP

1.11. Recommended Reading

1. Allison, J, Townend, J. (2017) *In Company 3.0 Logistics* (Student's book), Macmillan Publishers
2. MarEng Plus Learning Tool: http://mareng.utu.fi – selected units
3. Evans, V., Dooley, J., Buchannan, D. (2016) *Logistics* (Career Paths series), Express Publishing

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Pritchard, B. (2001) *English in Shipping and Maritime Law*. Selected units available on Merlin (moodle.srce.hr)	Available online	40
Ashley, A. (2003) *Oxford Handbook of Commercial Correspondence,* (Student's Book and Workbook). Oxford University Press	10	40
Jones, L. & Alexander, R. (1996) *New International Business English*, Cambridge UP	10	40

1.13. Quality Assurance

Quality assurance is based on the Faculty's ISO 9001 system. Yearly analysis is carried out based on quantitative student examination data, and qualitative data based on student survey derived at the end of each semester. Furthermore, specifically to this course, all data from exams, seminars and projects are freely accessed on e-learning site by the students attending the course.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Biserka Rukavina, PhD		
Course	Shipping agencies		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 15 + 0 (2+ 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Acquiring knowledge of the basic characteristics of maritime agents. Understanding of the historical development of the genesis of maritime agencies and the purpose of their establishment. Knowledge of the structure of the functions of maritime agents and identification of the role and significance of maritime agents in the transport process. Affiliation this content with related courses in order to achieve and implement a multidisciplinary approach.

1.2. Prerequisites for Course Registration

No.

1.3. Expected Learning Outcomes

1. Correctly define and interpret the basic concepts of maritime agency operations.
2. Distinguish and compare the international and national legal sources governing the organization and activities of maritime agencies and explain the role of international and national professional associations.
3. Highlight and justify certain types of the maritime agent (port agent, shipbroker, special operations).
4. Describe and justify ship arrival and departure procedures.
5. Explain and identify the essential elements of the maritime agency contract and analyze and compare individual types of contracts.
6. Describe and analyze the contents of the disbursement account.
7. Analyze, compare and demonstrate the specifics of the operations of maritime agents on the example of concrete maritime agencies.

1.4. Course Outline

The term and types of maritime agents. International and national legal sources governing the organization and activities of maritime agencies. Organization of maritime agencies. Port agent activities. Shipbroker activities. Disbursement account. Maritime Agency Contract – parties, subject matter of the contract, duration and termination of the contract. Analysis of individual type contracts (Agency Appointment Agreement, General Agency Agreement). The rights, obligations and liability of the maritime agent.

1.5. Modes of Instruction		
	☒ Lectures	☐ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☒ Exercises	☐ Laboratory
	☐ E-learning	☐ Mentorship
	☐ Field work	☐ Presentation

1.6. Comments	

1.7. Student Obligations

Class attendance.
Practical work (Power Point presentation).
The colloquiums.
Final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper	0,5	Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

70 % in class and 30% on the final exam (according to the Ordinance on Studies of the University of Rijeka and the Ordinance on Studies of the Faculty of Maritime Studies in Rijeka).
Continuous knowledge assessment:
2 colloquiums (30 points each).
Practical work/presentation (10 points).
Final exam.
The final exam (written exam) checks the integrity of knowledge about maritime agencies and a minimum of 50% correct answers (15 points out of total 30 points) must be obtained.

1. Specify the definition of a maritime agent in accordance with national legal sources.
2. Describe the procedure for establishing a maritime agency in the Republic of Croatia in accordance with national regulations.
3. Provide two examples of shipbroker functions.
4. Describe one document to be provided by the ship/master/agent in international navigation in the document Notice of Arrival and explain the purpose of obtaining it.
5. Specify the charges the ship may have when entering the port and explain what the charges depends on.
6. Explain the possible consequences of the agent's conduct contrary to the principal's order.
7. Describe the structure of the modern maritime agency.

1.10. Main Reading

Teaching material is available in the e-learning system.

1.11. Recommended Reading

1. Borčić, Vojislav, Ugovor o pomorskoj agenciji, Komentar Pomorskog zakonika, Udruga pomorskih agenata Hrvatske, Rijeka, 1999.
2. Pomorski zakonik (pročišćeni tekst) - Ugovor o pomorskoj agenciji čl. 674. – 683.
3. Opći uvjeti poslovanja pomorskih agenata, 2009.; Udruga pomorskih agenata Hrvatske.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Teaching material is available in the e-learning system.		40

1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and in accordance with European standards and guidelines for quality assurance carried out at the Faculty of Maritime Studies University of Rijeka. Once a year, the results of the transience are analyzed and appropriate measures are adopted.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Bojan Hlača, PhD		
Course	Port Logistics		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 15 + 0

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The basic objective of the course is to acquaint students with terminals by type of cargo in logistics systems, cargo flows, and intermodal centers with the analysis of the evolution of ports in the supply chain.

1.2. Prerequisites for Course Registration

-

1.3. Expected Learning Outcomes

1. Explain the basic features of terminals by type of cargo in logistics systems
2. Explain and describe cargo flows
3. Explain and describe the term port
4. Analyze the evolution of ports into the supply chain
5. Describe ports and terminals as intermodal centers
6. Describe ports as commodity transport centers
7. Explain how to measure port efficiency
8. Explain how to choose the north or south Europe traffic route
9. Analyze the selection of container port by liner shipping companies

1.4. Course Outline

Terminals by type of cargo in logistics systems. Cargo flows. Ports. The evolution of ports into the supply chain. Ports and terminals as intermodal centers. Measuring port efficiency. Choosing a north or south Europe traffic route. Selection of container port by liner shipping companies.

1.5. Modes of Instruction		
	☒ Lectures	☐ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☒ Exercises	☐ Laboratory
	☐ E-learning	☐ Mentorship
	☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

1. attending classes,
2. attendance at exercises (seminar, case study, practical work)
3. written exam (colloquiums 1 and 2)
4. final exam

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1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper	1,5	Experiment	
Written exam	2	Oral exam		Essay		Research	
Project		Continuous Assessment		Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The process of evaluation of the acquired learning outcomes takes place during continuous assessment (through 2 tests 40%, Seminar / Case Study 20%, Activity 10%), and at the final part of the exam 30%.
Examples of evaluating learning outcomes in relation to set learning outcomes are:

1. Describe the functional role of the terminal by type of cargo as a logistics system?
2. Describe the transformation of cargo flows?
3. Provide also a general description of the type of data that describes the terminal goods flows?
4. Analyze the port in logistics systems and describe what ports they need to own?
5. Describe the evolution of the supply chain relative to ports?
6. Explain the value-added logistics and development of VAL services in ports?
7. Describe the maritime conditions for the use of north and south European routes?
8. Analyze the strategy of arriving at a designated port by shipping companies?
9. Explain and describe the basic parameters for deciding a liner to arrive at a particular port?
10. Explain the concept of competitiveness of the traffic route on the example of Port of Rijeka?

1.10. Main Reading

1. Hlača, B.: Logistika luka, Merlin, E-Learning System, Faculty of Maritime Studies, Rijeka, 2017
2. Hlača, B.: Lučka logistika, University of Rijeka, Faculty of Maritime Studies, Rijeka 2016.

1.11. Recommended Reading

1. BRANCH, A.E.: Global Supply Chain Management and International Logistics, Taylor & Francis e-Library, New York, 2008.
2. CHUNG - YEE LEE, QIANG MENG: Handbook of Ocean Container Transport Logistics, The Hong Kong University of Science and Technology, National University of Singapore, Hong Kong, Singapore,2015.
3. BICHOU, K.: Port Operation, Planning and Logistics, Lloyds Practical Shipping Guides, Oxon, UK 2013.
4. BURNS, M.G., Port Management and Operation, Boca Raton, U.S. 2015.
5. COELLI, T., PRASADA Rao D.S., BATTESE, G.E.: An introduction to Efficiency and Productivity Analysis, Kluwer Accademic Publishers, Boston, Dordercht and London, 1998.
6. LANGEN, P.W., Port competition and selection in contestable hinterlands, Rotterdam 2005.
7. NOTTEBOOM, T.E., Container Port Competition in Europe, Antwerpen, 2014.
8. WANG, S., Efficient Global Containers Transport Network Design, Singapore, 2014.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An annual analysis of the exams is made, and once a semester a survey is conducted among students (attachment to the description of the faculty)

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Dario Ogrizović, PhD		
Course	E-business		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 30 + 0 (2 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

E-business refers to the application of information technology and computer networks, mainly the Internet, in the process of buying and selling goods, services and information, but also applies to smart and social commerce, e-learning, e-services, e-government, social cooperation, shared economics, innovation, mobility, communication and information discovery using artificial intelligence, analytics and big data.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

1. Explain the theoretical basics of e-business related to system types, models, methods, mechanisms, management programs and benefits.
2. Describe the methods and models for selling goods, services and information using computer networks from business to individual customers.
3. List and distinguish between electronic and mobile commerce, their content and implementations.
4. Describe social networks and applications for social commerce and social enterprise systems, advertising, CRM and entertainment.
5. Describe connected smart commerce, internet of things and smart applications.
6. Describe consumer behaviour on the Internet, marketing and advertising in a web environment.
7. List security issues and their solutions in e-business.
8. Differentiate and systematize types of e-payments, mobile payments and digital currencies.
9. Indicate the ethical, legal, social and business environments in which e-business operates.

1.4. Course Outline

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Theoretical foundations of e-business
Methods and models for the sale of goods, services and information using computer networks
Content and implementations of electronic and mobile commerce
Social networks, applications for social commerce and social enterprise systems, advertising, CRM and entertainment
Connected smart commerce, internet of things and smart applications
Consumer behaviour on the Internet, marketing and advertising in a web environment
Security issues and their solutions in e-business
Types of e-payments, mobile payments and digital currencies in e-business
Ethical, legal, social and business environments

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☒ E-learning ☐ Field work	☒ Practical work ☒ Multimedia and Network ☒ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

The student must attend at least 70% of the total hours of lectures and exercises, and must have passed the exams (continuous assessment) to take the final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper		Experiment	
Written exam	1,0	Oral exam		Essay		Research	
Project	0,5	Continuous Assessment	1,0	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The process of evaluation of the acquired learning outcomes takes place during continuous assessments (through 2 midterm examinations - total 70%) and at the final part of the exam (30%).

Examples of evaluating learning outcomes in relation to the learning outcomes that are set are:

1. Explain the theoretical basics of e-business that relate to system types, models, methods, mechanisms, management programs and benefits.
2. Describe the methods and models for selling goods, services and information using computer networks.
3. List the electronic and mobile commerce, their content and implementations.
4. Describe social networks and applications for social commerce and social enterprise systems, advertising, CRM and entertainment.
5. Describe connected smart commerce, internet of things and smart applications.
6. Describe consumer behaviour on the Internet, marketing and advertising in a web environment.
7. List security issues and their e-commerce solutions.
8. Sort and organize e-commerce, mobile payments and digital currency e-business types.
9. List the ethical, legal, social and business environments in which e-business operates.

1.10. Main Reading

1. Turban, E., et al. Electronic commerce 2018: A managerial and social networks perspective. Springer, 2017.
2. Schneider, G., P. Electronic Commerce, Gengage Learning, 2017.
3. Study materials available at e-learning platform (https://moodle.srce.hr)

1.11. Recommended Reading

Jelassi, T., et al. Strategies for E-business: Creating Value Through Electronic and Mobile Commerce: Concepts and Cases. 3rd ed. Harlow, England: FT Prentice Hall, 2014.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Turban, E., et al. Electronic commerce 2018: A managerial and social networks perspective. Springer, 2017.	10	40
Schneider, G., P. Electronic Commerce, Gengage Learning, 2017.	10	40
Jelassi, T., et al. Strategies for E-business: Creating Value Through Electronic and Mobile Commerce: Concepts and Cases. 3rd ed. Harlow, England: FT Prentice Hall, 2014.	10	40

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually and a student survey is conducted once a semester. All data, including exam, written work and assessment, are at all times public data for all students who have enrolled in the course (on the e-learning platform).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Tanja Poletan Jugović, PhD, Full Professor		
Course	Freight Forwarding		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Acquiring knowledge about the role and importance of forwarding logistics in the transport system and the international trade system. Legal definition of the international forwarding system. Knowledge of the structure of jobs, activities and tasks of the freight forwarder in (international) physical and documentary flows of goods (cargo). Defining and simulating the tasks and activities of freight forwarder and documentation (documents) in the organization and implementation of import, export or transit. Knowledge, interpretation and use of the Incoterms. Knowledge and monitoring of modern trends and challenges in the business of freight forwarder as logistics operators

1.2. Prerequisites for Course Registration

-

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

1. Define the relevant terms, characteristics and role of freight forwarding in the modern traffic environment.
2. Define and interpret the role and importance of forwarding logistics in the international trade system and the transport system.
3. Distinguish between legal sources, contracts, documents and documents governing the rights, obligations and responsibilities of freight forwarder and other stakeholders in international trade.
4. Know and distinguish the basic tasks, activities and role of the freight forwarding in the planning, organization and implementation of import, export or transit operations.
5. Know the specific jobs and activities of shippers in providing complete logistics services that impose the specifics of cargo, customer requirements and markets.
6. Distinguish between documents, transport and other documents within import, export or transit operations.
7. Know, interpret and use the specifics of communication of foreign trade entities using the Incoterms.
8. Explain current trends, challenges and strategies in the development and affirmation of the freight forwarder as a logistics operator.

1.4. Course Outline

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The concept and relevant characteristics of freight forwarding and forwarders (affirmation and development of forwarding and logistics operators (3PL, 4PL ...) in the modern transport environment. The importance of forwarding logistics in the transport system and the international trade system. International forwarding as a system organization for international forwarding, national and multinational forwarding professional organizations) Legal regulation of forwarding activities (legal framework of forwarding activities, rights, obligations and responsibilities of forwarders). Basic and special jobs, activities and tasks of an international forwarder. Incoterms. Contemporary trends and challenges in business of freight forwarders as logistics operators (global trends in the market of logistics activities, modern strategies of logistics operators, ...).

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Preparation of seminar paper, presentation of seminar paper, 1st and 2nd exam through continuous monitoring and assessment and final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper	0,5	Experiment	
Written exam	0,5	Oral exam		Essay		Research	
Project		Continuous Assessment	1,5	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The procedure for evaluating the acquired learning outcomes takes place according to the Rule book of Studies at the University of Rijeka and Studying regulation at the Faculty of Maritime Studies in Rijeka as follows:

- 70% of the acquired learning outcomes within the 1st exam (25%), 2nd exam (25%) are evaluated through continuous monitoring and assessment during classes, and through the presentation of the research task - seminar (20%); the student must realize a minimum of 50% of points for each exam, and the presentation of the research task is evaluated on the basis of elaborated assessment criteria;
- at the final part of the exam, 30% of the acquired learning outcomes are evaluated, and the student must realize a minimum of 50% of points to pass the final exam.

Examples of evaluating learning outcomes in relation to defined learning outcomes are:

1. Define and explain the terms: forwarder, shipping company, logistics operator, 3PL, 4PL., ...
2. Explain the role and importance of shipping logistics in international trade.
3. List the basic legal sources that regulate the activity of forwarding and interpret the rights, obligations and responsibilities of forwarders.
4. State and explain the basic tasks of the shipper: handing over, summoning the goods, concluding contracts and transport, concluding contracts on transport insurance, (...) and interpret the legal status and role of the shipper within them.
5. Give and explain an example of a specific shipper's job conditioned by a specific cargo / goods (...) and interpret the legal status, the role of the shipper and the specific documents and documents within them.
6. Explain the purpose, function and data contained in the document - documents (... bill of lading / consignment note / single customs declaration ...)
7. Explain the role of Incoterms terms and interpret the obligations of the seller and the buyer on the example of a specific parity (EXW, CIF, FOB, ...).

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8. Explain and describe the impact and effects of modern trends and phenomena in the market of logistics services (globalization, informatization…) on the development and affirmation of logistics operators.

1.10. Main Reading

- teaching material available within the e-course Freight Forwarding - published on the e-learning system - Merlin (https://moodle.srce.hr) in the current academic year
- Babić, D., Stanković, R., Bajor, I., Špediterski poslovi u logističkoj djelatnosti, Sveučilište u Zagrebu, Fakultet prometnih znanosti, Zagreb , 2020.
- Zelenika, R., Temelji logističke špedicije, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka, 2005.

1.11. Recommended Reading

- Andrijanić, I., Aržek, Z., Prebežac, D., Zelenika, R., Transportno i špeditersko poslovanje, Zagreb, 2001.
- Incoterms 2010, Pravila tumačenja trgovinskih termina Međunarodne trgovinske komore, HGK, 2010.
- Zelenika, R. Incoterms 2000 u teoriji i praksi – 100 savjeta i 100 primjera , Ekonomski fakultet Sveučilišta u Rijeci, Rijeka, 2002.
- Zelenika, R., Međunarodna špedicija, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka, 2000.
- Zelenika, R., Logistički sustavi, Ekonomski fakultet u Rijeci, Rijeka, 2005.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
teaching material available within the e-course Freight Forwarding - published on the e-learning system - Merlin (https://moodle.srce.hr) in the current academic year	unlimited	
Babić, D., Stanković, R., Bajor, I., Špediterski poslovi u logističkoj djelatnosti, Sveučilište u Zagrebu, Fakultet prometnih znanosti, Zagreb , 2020.	3	
Zelenika, R., Temelji logističke špedicije, Ekonomski fakultet Sveučilišta u Rijeci, Rijeka, 2005.	5	

1.13. Quality Assurance

The studying quality is monitored following the ISO 9001 system, as well as European standards and guidelines for quality assurance, carried out at the Faculty of Maritime Studies, University of Rijeka. Analysis of exam passing is given annually and a survey among students is conducted by the semester.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Sandra Tominac Coslovich, PhD, Associate professor		
Course	English language 5		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		3
	Number of Hours (L+E+S)		15 + 30 + 0 (1+ 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Course objectives meet the English language requirements for obtaining a B. Sc. degree in Logistics and Management in Maritime Transport and include acquiring communicative competence for effective use of English as a language of international maritime communication for the purpose of ensuring efficient business operations and management in the maritime industry.

1.2. Prerequisites for Course Registration

Successful completion of English language 4 course

1.3. Expected Learning Outcomes

Upon completing the course the students will be able:

1. To demonstrate 4 basic language skills in English: reading, writing, listening and speaking at B2 level (independent user) according to the Common European Framework of Reference for languages
2. To demonstrate specialized language knowledge and skills for the purpose of performing specialist jobs in the field of logistics and management in maritime transport
3. To express themselves in speech and in writing and discuss specialist topics in English
4. To translate specialized texts from English into Croatian and vice versa
5. To use language skills in written and verbal communication in English among different specialists in the field of maritime transport

1.4. Course Outline

The course focuses on *content-based learning*. It applies the *communicative approach* to learning and teaching English as a Foreign Language (EFL) and English as a Second Language (ESL). The course focuses on the acquisition and practical use of: vocabulary/terminology skills (terms, polysemous words, multiple-word lexical units, collocations, lexical sets), discourse and pragmatic elements of shipping-related texts and communication, most frequent and typical grammatical structures and features restricted to maritime discourse (written and spoken) regarding the following topics: marine insurance, P&I clubs, marine accidents, general and particular average, maritime correspondence

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

1. course attendance (lectures and exercises)
2. passing two written tests
3. passing final oral exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper		Experiment	
Written exam		Oral exam	0,5	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

2 continuous assessments/test + final oral exam

1. Explain the terms general and particular average and give examples of each
2. Describe the job of an 'average adjuster''.
3. Enumerate and explain the types of loss covered by P&I insurance.
4. Translate the following extract from the Institute cargo clauses from English into Croatian using the appropriate terminology
5. Use the information given below and send a formal inquiry via e-mail about the extent of insurance cover

1.10. Main Reading

1. Pritchard, B. (2001) *English in Shipping and Maritime Law*. Selected units available on Merlin (moodle.srce.hr)
2. Ashley, A. (2003) ***Oxford Handbook of Commercial Correspondence,*** (Student's Book and Workbook). Oxford University Press
3. Jones, L. & Alexander, R. (1996) *New International Business English*, Cambridge UP

1.11. Recommended Reading

1. Allison, J, Townend, J. (2017) *In Company 3.0 Logistics* (Student's book), Macmillan Publishers
2. MarEng Plus Learning Tool: http://mareng.utu.fi – selected units
3. Evans, V., Dooley, J., Buchannan, D. (2016) *Logistics* (Career Paths series), Express Publishing
4. Abegg, B., Benford, M (2008) *Poslovno dopisivanje na hrvatskom i engleskom*, Masmedia/Langenscheidt

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Pritchard, B. (2001) *English in Shipping and Maritime Law*. Selected units available on Merlin (moodle.srce.hr)	Available online	40
Ashley, A. (2003) *Oxford Handbook of Commercial Correspondence,* (Student's Book and Workbook). Oxford University Press	10	40
Jones, L. & Alexander, R. (1996) *New International Business English*, Cambridge UP	10	40

1.13. Quality Assurance

Quality assurance is based on the Faculty's ISO 9001 system. Yearly analysis is carried out based on quantitative student examination data, and qualitative data based on student survey derived at the end of each semester. Furthermore, specifically to this course, all data from exams, seminars and projects are freely accessed on e-learning site by the students attending the course.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Renato Ivče, PhD, Full professor		
Course	Maritime transport technology		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		3
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The aim of the course is to acquaint students with international regulations, rules, recommendations and standards relating to the safe handling, stowing and transport of goods, characteristics of maritime transport technologies and planning loading cargo on the vessels.

1.2. Prerequisites for Course Registration

No prerequisites for course registration

1.3. Expected Learning Outcomes

It is expected that the student will be able to:

1. Explain and apply international and national rules and codes relating to the handling and transport of cargo
2. Define the types of cargo significant in maritime transport and analyse the general requirements for sea transport
3. Define and apply requirements when transporting various types of dry cargo by sea.
4. Define and apply requirements when transporting various types of liquid cargo by sea
5. Compare the transport and transhipment effectiveness of ships of various technologies

1.4. Course Outline

International regulation relating to maritime cargo transport. Regulations, recommendations and standards related to cargo handling. Cargo carrying capacity of the ship. Deadweight of the ship. Principles of cargo planning for ships of different technologies. General cargo maritime transportation technology. Container maritime transportation technology. Bulk cargo maritime transportation technology. Technology of maritime transportation of liquid cargo. Maritime transportation of wood. Technology of maritime transportation of refrigerated cargo.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

Active attendance of classes and at least 70% of completed classes for admission to the exam.
Successful passing colloquiums and the final oral exam.

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1.8. Assessment[1] of Learning Outcomes

Course attendance	1,0	Class participation		Seminar paper	0,2	Experiment	
Written exam		Oral exam	0,6	Essay		Research	
Project		Continuous Assessment	1,2	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam is carried out in accordance with the Regulations on Studies of the University of Rijeka and the Regulations on Studies at the Faculty of Maritime Studies in Rijeka as follows:
through continuous assessment of knowledge during the classes, 70% of the acquired learning outcomes are evaluated through the 1st colloquium - learning outcomes 1-3 (0,6 ECTS (30%)), 2nd colloquium - learning outcomes 3-5 (0,6 ECTS (30%)), preparation expert problem-assignment - learning outcome 3 (0,2 ECTS ((10%)); At the same time, the student must achieve a minimum of 52% of points in colloquium, (0,6 ECTS (30%)), of the acquired learning outcomes (1-5) are evaluated at the final oral exam, and the student must achieve a minimum of 50% of points for passing the final exam.
Examples of evaluating learning outcomes in relation to set learning outcomes are:

1. *Define and explain the application of the BLU code,*
2. *Define and explain the principle of basic division of dry cargo.*
3. *Formulate and apply requirements for the carriage of general cargo by sea,*
4. *Formulate and apply requirements for the transport of liquefied gases by sea,*
5. *Compare the transportation performance of container vessels and ro-ro vessels*

1.10. Main Reading

1. *Vranić, D., Kos, S., Morska kontejnerska transportna tehnologija*
2. *Vranić, D., Kos, S., Morska kontejnerska transportna tehnologija I*
3. *D.J.House, Cargo Work, Butterworth-Heinemann*

1.11. Recommended Reading

1. *Kos S., Zenzerović Z.: Modelling the Transport Process in Marine Container Technology, Promet, Vol. 15, No. 1, Zagreb, 2003.*
2. *Kos S., Zenzerović Z.: Model of Optimal Cargo Transport Structure by Full Container Ship on Predefined sailing Route, Promet, Vol. 16, No. 1, Zagreb, 2004.*
3. *Kos S., Bukša J.: Komparativna analiza Ro-Ro/Kontejnerski brod Feeder servisa Lošinjske plovidbe, Pomorstvo, God ./Vol. 18, Rijeka, 2004.*
4. *Kos S., Koljatić V.: Structural elements of container transportation systems, Proceedings ISEP 2002, Ljubljana, 2002.*
5. *Kos S., Bukša J.: Feeder service of Lošinjska plovidba – Base of Multimodalism in the Republic of Croatia, Proceedings ISEP 2004, Ljubljana, 2004.*
6. *Vranić D., Kos S.: Prijevoz kontejnera morem I, nastavni video film u trajanju od 100 minuta, Pomorski fakultet, Rijeka, 1989.*
7. *Vranić D., Kos S.: Prijevoz kontejnera morem II, nastavni video film u trajanju od 85 minuta, Pomorski fakultet, Rijeka, 1990.*

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Morska kontejnerska transportna tehnologija	*7*	
Morska kontejnerska transportna tehnologija I	*6*	
Cargo Work	*3*	

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1.13. Quality Assurance
The quality of study is monitored in accordance with the ISO 9001 system and in accordance with the European standards and guidelines for quality assurance carried out at the Faculty of Maritime Studies in Rijeka. Once a year, exam passing results are analyzed and appropriate measures are adopted

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Ines Kolanović, PhD		
Course	Ports and terminals		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		45 + 15+ 0 (3 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The objective of this course is to provide students to be able to identify, to analyze and to explain the technical and technological features of ports and terminals, as well as traffic and technological processes at port terminals.

1.2. Prerequisites for Course Registration

1.3. Expected Learning Outcomes

It is expected that the student will be able:

1. Properly interpret the basic concepts: transport technology, port and terminal technology, transport and technological process
2. Systematically analyze and interpret the elements and relationship of the port, transport and economic systems
3. Recognize and distinguish the basic features of port-maritime facilities in connection with the realization of the port services
4. To classify port warehouses according to different criteria and to clarify with a concrete example
5. To explain the technical and technological characteristics of the terminal on a concrete example for different types of cargo
6. To distinguish and compare technological processes at port terminals

1.4. Course Outline

Conceptual explanations: transport technology, port and terminal technology, traffic and technological process. Impact of technological changes in shipping on the development of ports and terminals. Port infrastructure and superstructure. Port and terminal planning and design. Port-maritime facilities. Port warehouses. Special purpose ports. River ports. Types of terminals. Port terminal capacity assessment methodology. Technological processes at port terminals. Specialized terminals.

1.5. Modes of Instruction

☒ Lectures	☒ Practical work
☐ Seminars and workshops	☐ Multimedia and Network
☒ Exercises	☐ Laboratory
☐ E-learning	☐ Mentorship
☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

Students are obliged to: attend at least 70% of classes, take part-time exams, make seminar work and pass the final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	2	Class participation		Seminar paper	0,5	Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	1,5	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

- The final grade is the sum of the points that student has achieved during the course (70% of the grade) and the points earned on the final exam (30% of the grade) according to the studies regulations at: the University of Rijeka and the Faculty of Maritime Studies in Rijeka.
- Continuous assessment:

2 mid-terms - a minimum of 50% of the estimated number of points is required;

seminar paper (individual assignment) - a minimum of 50% of the estimated number of points is required;

- Final exam:

The final exam checks the completeness of knowledge in the field of port and terminal technology - it is necessary to earn a minimum of 50% of points.

Examples of Assessment of Learning Outcomes:

1. Define terms: transport technology, port and terminal technology, transport and technological process (LO1)
2. Show and comment relationship of the port, transport and economic system with the example of the Republic of Croatia (LO2)
3. In the specific example, highlight the basic features of the port-maritime facilities (LO3)
4. Group the port warehouses in accordance with the different criteria (LO4)
5. Combine the technical and technological features of one type of terminal on the concrete example (LO5)
6. Designing technological processes at the port terminal (LO6)

1.10. Main Reading

1. Kolanović I.: Teaching material published on Merlin
2. Dundović, Č.: Lučki terminali, sveučilišni udžbenik, Pomorski fakultet u Rijeci, Rijeka, 2002.
3. Dundović, Č., Kesić, B.: Tehnologija i organizacija luka, sveučilišni udžbenik, Pomorski fakultet u Rijeci, Rijeka, 2001.

1.11. Recommended Reading

1. Dundović, Č., Poletan-Jugović, T., Jugović, A., Hess, S.: Integracija i koordinacija lučkog i prometnog sustava Republike Hrvatske, Znanstvena monografija, Pomorski fakultet u Rijeci, Rijeka, 2006.
2. Notteboom, T., Pallis, A., Rodrigue, J. R.: Port Eoconomics, Management and Policy, New York, Routledge, 2021. (chapters: Port Terminals, Port Planning and Development)

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Teaching material published on Merlin	unlimited	
Tehnologija i organizacija luka	9	20
Lučki terminali	13	20

1.13. Quality Assurance

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The quality of study is continuously monitored in accordance with the requirements of ISO 9001 and in accordance with the European Standards and Guidelines for Quality Assurance conducted at the Faculty of Maritime Studies in Rijeka. At the end of the semester, student evaluations are conducted in accordance with the Study Quality Manual at the University of Rijeka.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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3.2. Course description

Generic information			
Head of Course	Livia Maglić, PhD, Assistant Professor		
Course	Internal Transport and Warehousing		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		30 + 15 + 0 (2 +1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Providing and obtaining a basic knowledge of rational planning, design, and operational management of internal transport and warehouse in port, industrial and transportation activities. Furthermore, gathering the knowledge necessary for the optimal technical and technological operations of a particular transport company. Analysis and comparison of possible ways as well as choosing the optimal way of handling material and managing the internal traffic process for the selected transport company.

1.2. Prerequisites for Course Registration

None.

1.3. Expected Learning Outcomes

After passing the exam, students are expected to be able to:

1. Define internal transport and warehouse as a technical and technological unit
2. Define and explain all internal transport and warehouse processes requiring Spatio-temporal organization, and technological, economic and environmental compliance of individual constituent segments
3. Establish clear criteria for the application and selection of means of internal transport and warehouse, with the calculation of the required capacities
4. Apply mathematical methods and models for evaluating alternative transportation and warehouse solutions
5. Analyze and compare possible ways of handling material and managing the internal transport process
6. Choose the optimal way of handling the material and managing the internal transport process in a specific case

1.4. Course Outline

Internal transport system design features. Packaging and sorting of goods. Examination of the flow of materials and processes in internal transport. The impact of internal transport on the physical layout and organization of work of economic entities. Features and role of warehousing in internal transport. Means of transport and equipment for internal transport and warehouse. Material handling equipment and internal transport process management. Capacity estimation and simulation of internal transport processes.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____

1.6. Comments	

1.7. Student Obligations

Active participation in class and at least 70% of classes attended. Designing work assignments during the class. Colloquiums passed during the class and the final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	2,0	Class participation		Seminar paper		Experiment	
Written exam		Oral exam	1,0	Essay		Research	
Project		Continuous Assessment	2,0	Presentation		Practical work	1,0
Portfolio		Final exam					

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The procedure for evaluating the acquired learning outcomes is carried out according to the Regulations on Studies of the University of Rijeka and the Rulebook on Studies at the Faculty of Maritime Studies in Rijeka as follows:
Continuous assessment:
- 3 colloquiums where a minimum of 55% is required

Final exam:
The final exam (oral exam) examines the completeness of theoretical knowledge and understanding of the operational management of internal transport and warehouse in the port, industrial and transport activities necessary for the optimal technical and technological operations of a particular transport company.

1.10. Main Reading

1. Dundović, Č., Hess, S.: Unutarnji transport i skladištenje, Pomorski fakultet u Rijeci, Rijeka, 2007.
2. Šamanović, J.: Logistički i distribucijski sustavi, Ekonomski fakultet, Split, 1999.
3. Dundović, Č.: Prekrcajna sredstva prekidnog transporta, Pomorski fakultet u Rijeci, Rijeka, 2005.

1.11. Recommended Reading

1. Hompel ten M., Schmidt, T., Warehouse Management / Automation and Organisation of Warehouse and Order Picking Systems, Springer, 2010.
2. Zrnić, Đ., Savić, D., Simulacija procesa unutrašnjeg transporta, Mašinski fakultet, Beograd, 1985.
3. Schroeder, G.R., Upravljanje proizvodnjom / Odlučivanje u funkciji proizvodnje, Četvrto izdanje, Mate d.o.o., Zagreb, 1999.

1.12. Number of Main Reading Examples

Title	Number of examples	Number of students
Dundović, Č., Hess, S.: Unutarnji transport i skladištenje, Pomorski fakultet u Rijeci, Rijeka, 2007.	5	65
Šamanović, J.: Logistički i distribucijski sustavi, Ekonomski fakultet, Split, 1999.	5	
Dundović, Č.: Prekrcajna sredstva prekidnog transporta, Pomorski fakultet u Rijeci, Rijeka, 2005	5	

1.13. Quality Assurance

The quality of study is continuously observed under the ISO 9001 system and following European standards and guidelines for quality assurance implemented at the Faculty of Maritime Studies, University of Rijeka. An analysis of the exams is given annually, and a survey among students is conducted by the semester.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course.

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Course description

Generic information			
Head of Course	Dario Ogrizović, PhD		
Course	Cloud Computing		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	1st semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Cloud computing brings a simpler and more flexible environment for the end user, theoretical basics and virtualization as the basis for the emergence of cloud computing are explained. Basic service models, implementations and major cloud computing service providers are presented.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

1. Explain the theoretical basics of cloud computing related to the foundations, etymology and properties of computing clouds
2. Present virtualization as the basis for the emergence of cloud computing and the type of virtualizations
3. List and distinguish between service models and cloud computing implementations
4. Describe and compare the major cloud computing service providers using historical view, global network of data centres and CDN hubs
5. Distinguish and systematize the types and purpose of available public and private cloud computing services

1.4. Course Outline

Theoretical basics of cloud computing. Foundations, etymology and properties of computing clouds. Virtualization. Cloud computing service models. Cloud computing implementation models. The major cloud computing service providers. Global network of data centres and CDN hubs. Type and purpose of available cloud computing services.

1.5. Modes of Instruction		
	☒ Lectures	☒ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☒ Exercises	☒ Laboratory
	☒ E-learning	☐ Mentorship
	☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

The student must attend at least 70% of the total hours of lectures and exercises, and must have passed the exams (continuous assessment) to take the final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper		Experiment	

Written exam	1,0	Oral exam		Essay		Research	
Project	0,5	Continuous Assessment	1,0	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The process of evaluation of the acquired learning outcomes takes place during continuous assessments (through 2 midterm examinations - total 70%) and at the final part of the exam (30%).

Examples of evaluating learning outcomes in relation to the learning outcomes that are set are:

1. Explain the foundations, etymology and properties of cloud computing
2. List and explain the types of virtualization as the basis for the emergence of cloud computing
3. List and sort cloud computing service models and cloud computing implementation models
4. Compare and describe the major cloud computing service providers
5. Classify and systematize the types and purpose of available public and private cloud computing service

1.10. Main Reading

1. Erl, T.: Cloud Computing: Concepts, Technology & Architecture, The Prentice Hall Service Technology Series, 2013.
2. Chopra, R.: Cloud Computing: An Introduction, Mercury Learning & Information, 2017.
3. Study materials available at e-learning platform (https://moodle.srce.hr)

1.11. Recommended Reading

1. Kavis, M.J.: Architecting the Cloud: Design Decisions for Cloud Computing Service Models (SaaS, PaaS, and IaaS), Wiley, 2014.
2. Rafaels, R.: Cloud Computing: From Beginning to End, CreateSpace Independent Publishing Platform, 2015.

Selected scientific papers from journals:

1. Journal of Cloud Computing, ISSN: 2192-113X
2. Future Generation Computer Systems, ISSN: 0167-739X

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Erl, T.: Cloud Computing: Concepts, Technology & Architecture, The Prentice Hall Service Technology Series, 2013.	5	20
Chopra, R.: Cloud Computing: An Introduction, Mercury Learning & Information, 2017.	5	20
Kavis, M.J.: Architecting the Cloud: Design Decisions for Cloud Computing Service Models (SaaS, PaaS, and IaaS), Wiley, 2014.	5	20
Rafaels, R.: Cloud Computing: From Beginning to End, CreateSpace Independent Publishing Platform, 2015.	5	20

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually and a student survey is conducted once a semester. All data, including exam, written work and assessment, are at all times public data for all students who have enrolled in the course (on the e-learning platform).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Ana Perić Hadžić, PhD		
Course	Marketing		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Acquisition of the necessary knowledge in the field of marketing, with special attention paid to the marketing mix, i.e. product analysis, different approaches to product price formulation, distribution flows and channels, and product promotion that includes various forms of communication with the market. Introducing students to new trends in marketing.

1.2. Prerequisites for Course Registration

-

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

1. List the components of the marketing mix.
2. Explain the properties of the product and its entry into the market.
3. List and explain the different approaches to product price formulation.
4. List and explain the different types of distribution channels.
5. Explain the role of promotional activities on the market.
6. Analyze new trends in marketing.

1.4. Course Outline

Primary features of marketing: evolution of marketing, marketing mix
Marketing environment: suppliers, consumers, competitors, intermediaries
Product analysis: product properties, brand, packaging, product life cycle
Product price determinants: different approaches to price formulation, the importance of market prices
Product distribution determinants: distribution channels, wholesale functions, retail functions
Product promotion methods: various forms of communication with the market, advertising, personal sales
Consumer analysis: the process of making a purchasing decision, the influences on making purchasing decision
Market analysis: market selection and segmentation
New trends in marketing: online marketing, CRM functions, advertising on social media

1.5. Modes of Instruction

☒ Lectures	☐ Practical work
☒ Seminars and workshops	☒ Multimedia and Network
☒ Exercises	☐ Laboratory
☐ E-learning	☐ Mentorship
☐ Field work	☐ Other _____

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1.6. Comments	

1.7. Student Obligations

Attending classes
Attending exercises
Classroom activity
Exams (continuous assessment)
Final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	0,5	Class participation	0,5	Seminar paper	0,5	Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	1,5	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Assessment is carried out by conducting two exams (continuous assessment) during the classes and the final exam.

1. *List the components of the marketing mix.*
2. *Explain the methods of introducing a product to the market.*
3. *List at least three different approaches to product pricing.*
4. *List the categories of the distribution channels.*
5. *Explain how product differentiation affects its price formation and its market position.*
6. *Analyze how social networks affect product promotion.*

1.10. Main Reading

1. Grbac, B.: Identitet marketinga, Sveučilište u Rijeci, Ekonomski fakultet Rijeka, Rijeka, 2006.

1.11. Recommended Reading

1. Dibb, S.; Simkin, L.; Pride, W. M.; Ferrell, O. C.: Marketing, Mate, Zagreb, 1991.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Grbac, B.: Identitet marketinga, Sveučilište u Rijeci, Ekonomski fakultet Rijeka, Rijeka, 2006.		

1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and in accordance with European standards and guidelines for quality assurance implemented at the Faculty of Maritime Studies in Rijeka.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Siniša Vilke, PhD, Associate professor		
Course	Land transport technology		
Study Programme	Logistic and Management in Maritime Industry and Transport		
Type of Course	Optional		
Year of Study	3		
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		45 + 30 + 0 (3 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The objective of the course is to acquire basic knowledge of transportation planning of land transportation infrastructure facilities, utilization characteristics of road and rail vehicles, and the range of road and rail transportation infrastructures in order to develop a transportation synthesis of land transportation technologies.

1.2. Prerequisites for Course Registration

1.3. Expected Learning Outcomes

1. Interpret the methodology of transport planning for land infrastructure facilities.
2. Calculate the performance characteristics of road vehicles and determine their technical and traffic characteristics based on the given parameters.
3. Determine the lateral and longitudinal stability of road vehicles based on the given criteria.
4. Explain the performance characteristics of rail vehicles and determine and compare their performance indicators based on performance objectives.
5. Apply numerical methods in the analysis of the range of road and rail transport infrastructure.
6. Explain and compare technologies of combined land transport.
7. Interpret legal regulations in the organization of national and international land transport.
8. Calculate the efficiency of fleet utilization in road and rail transport according to the given parameter.
9. Develop the task of analyzing a passenger or freight transport line.

1.4. Course Outline

Land transport infrastructure and transport demand planning. Modal distribution of passenger and freight transport. Road transport infrastructure. Road vehicles: operational characteristics of road vehicles, lateral and longitudinal stability. Technological features of road transport. Legislation in the organization of national and international transport. Railway transport infrastructure. Towing and rolling stock. Performance characteristics of railway vehicles. Graphical representation of train traffic (timetables). Technological features of railway transport. Range of road and rail transport infrastructure. Land transport technologies. Technologies for combined transport.

1.5. Modes of Instruction		
	☒ Lectures	☒ Practical work
	☒ Seminars and workshops	☐ Multimedia and Network
	☒ Exercises	☐ Laboratory
	☐ E-learning	☐ Mentorship
	☐ Field work	☐ Other _____

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1.6. Comments	

1.7. Student Obligations

The student must attend at least 70% of the total lecture and exercise hours, prepare and present a seminar paper, and pass the exams (continuous assessment) in order to take the final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1	Class participation	1	Seminar paper		Experiment	1
Written exam		Oral exam	1	Essay		Research	
Project	1	Continuous Assessment		Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The procedure of assessment of acquired learning outcomes is carried out by the study regulations of the University of Rijeka and the study regulations at the Faculty Maritime Studies in Rijeka as follows:

- 70% of the acquired learning outcomes in the 1st semester (25%), 2nd semester (25%), through the elaboration of a programming task - a project (10%) and the presentation of a research task - a seminar (10%); the student must achieve at least 50% of the points in each intermediate semester, and the presentation of the research task is evaluated on the basis of elaborated evaluation criteria;
- in the final part of the examination, 30% of the achieved learning outcomes will be assessed, and the student must achieve at least 50% of the points to pass the final examination.

Examples of assessment of learning outcomes to establish learning outcomes are:

1. Understand the methodology of transportation planning for land infrastructure facilities
2. What are the basic procedures, benchmarks, and standards for achieving optimal solutions for balancing transportation supply and demand?
3. Understand the usage characteristics of road and rail vehicles?
4. What is included in the transport infrastructure of road and rail?
5. Explain the basic legal provisions of land transport infrastructure organization.
6. What numerical methods you know in the analysis of land transport systems?
7. Understand the application of combined transport technologies.

1.10. Main Reading

1. Baričević, H.; Vilke, S.: Logistika i sigurnost kopnenog prometa, Pomorski fakultet u Rijeci, Rijeka, 2016.
2. Baričević, H.: Tehnologija kopnenog prometa, Pomorski fakultet u Rijeci, Rijeka, 2001.

1.11. Recommended Reading

1. Badanjak, D., Bogović, B., Jenić, V.: Organizacija željezničkog prometa, FPZ, Zagreb, 2006
2. Županović, I.: Tehnologija cestovnog prometa, FPZ, 2003, Zagreb
3. Baričević,H.: Promet u turizmu, Visoka škola za turistički menadžment, Šibenik, 2003.
4. Marušić, D.: Projektiranje i građenje željezničkih pruga, Građevinski fakultet, Split, 1994.
5. Padjen, J.: Osnove prometnog planiranja, Informator, Zagreb, 1986.
6. Cerovac, V.: Tehnika i sigurnost prometa, FPZ, Zagreb, 2001.
7. Zelenika, R.: Multimodalni prometni sustavi, Ekonomski fakultet, Rijeka, 2006.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Baričević, H.; Vilke, S.: Logistika i sigurnost kopnenog prometa, Pomorski fakultet u Rijeci, Rijeka, 2016.	10	
Baričević, H.: Tehnologija kopnenog prometa, Pomorski fakultet u Rijeci, Rijeka, 2001.	10	

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1.13. Quality Assurance
The quality of studies is constantly monitored by the system ISO 9001, which was introduced at the Faculty Maritime Studies in Rijeka. An analysis of examinations is made annually and a student survey is conducted once a semester.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Mirjana Borucinsky, PhD		
Course	German Language 1		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	5th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		3
	Number of Hours (L+E+S)		15 + 30 + 0 (1 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The main objective of the course is to expand students' proficiency and improve their written and spoken communication skills using the specific terminology of logistics, management, technology and transport in maritime affairs and industry.

1.2. Prerequisites for Course Registration

Proficiency level B1.

1.3. Expected Learning Outcomes

It is expected that the student will be able to:
1. Discuss general language topics in German.
2. Discuss technical topics in German.
3. Differentiate between meanings of a term encountered in general language and language for specific purposes.
4. Translate technical texts from German into Croatian (or another target language, e.g. English) and vice versa.
5. Use language skills to communicate effectively in the business surrounding

1.4. Course Outline

Fachterminologie aus dem Bereich: Grundzüge der Beförderung. Verkehrszweige (Schiffsverkehr, Straßenverkehr, Schienenverkehr, Luftverkehr). Verkehrsinfrastruktur. Terminals.
Geschäftskorrespondenz (Anfrage, Angebot, Bestellung)
Zeitformen der Verben, Verben mit Präpositionen, Satzbau

1.5. Modes of Instruction		
	☒ Lectures	☐ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☐ Exercises	☐ Laboratory
	☐ E-learning	☐ Mentorship
	☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

Students enrolled at the Faculty of Maritime Studies are expected to observe the code of conduct required by the academic institution, and regularly attend lectures and practical work sessions.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation	0,25	Seminar paper		Experiment	
Written exam		Oral exam	0,25	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Through continuous assessment the student can achieve up to 70% (Learning Outcomes 1 to 5) of the total score, through summative assessment in the form of an oral exam (Learning Outcomes 1,2,3 and 5) up to 30% of total score.

Examples of learning outcomes evaluation through continuous and summative assessment:

1. Beschreiben Sie verschiedene Begrüßungsrituale.
2. Identifizieren und erörtern Sie die Vor- und Nachteile der verschiedenen Arten von Transport.
3. Wie unterscheiden sich die folgenden Fachausdrücke *'Verkehr, Transport, Beförderung'*
4. Übersetzen Sie den Text aus dem Deutschen ins Kroatische (bzw. Englische). Benutzen Sie dabei Fachterminologie.
5. Schreiben Sie einen Geschäftsbrief in dem Sie sich für ein Produkt interessieren.

1.10. Main Reading

1. Fox, R. *Verkehrswesen*, Školska knjiga, Zagreb, 1996.
2. Hering, A., Matussek, M., *Geschäftskommunikation*, Max Hueber Verlag, D-85737 Ismaning, 2004.
3. Perlmann-Balme, M., Tomaszewski, A.: *Themen aktuell 3, Zertifikatsband*, Kursbuch, Max Hueber Verlag, 2004.
4. Perlmann-Balme, M., Tomaszewski, A.:: *Themen aktuell 3, Zertifikatsband*, Arbeitsbuch, Max Hueber Verlag, 2004.

1.11. Recommended Reading

1. Gutremuth, J., Konerding, B., Perseke, J., Seegert, N., Güterverkehr – Spedition – Logistik, Bildungsverlag EINS GmbH, Troisdorf, 2002.
2. Hurm, A., Njemačko-hrvatski rječnik, Školska knjiga, Zagreb, 1998.
3. Hurm., A., Jakić, B., Hrvatsko-njemački rječnik, Školska knjiga, Zagreb, 1999.
4. Kunkel-Razum, Kathrin: Duden: Briefe gut und richtig schreiben. Dudenverlag, 2003.
5. Marčetić, T., Pregled gramatike njemačkog jezika, Školska knjiga, Zagreb, 1999.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Fox, R. *Verkehrswesen*, Školska knjiga, Zagreb, 1996.		
Hering, A., Matussek, M., *Geschäftskommunikation*, Max Hueber Verlag, D-85737 Ismaning, 2004		

1.13. Quality Assurance

Internal:

- Student feedback (SET - Student evaluation of teaching) at the end of academic year.
- Course review by the head of course at the end of academic year.

External:

Programme quality review carried by the QA Agency.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Edvard Tijan, PhD		
Course	Sustainable Logistics		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		30 + 0 + 0 (2 + 0 +0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The aim of this course is to acquaint students with the principles of sustainable development and ecological approach to logistics. Students will be able to understand and analyze the impact of logistics and supply chains on reducing greenhouse gas emissions.

1.2. Prerequisites for Course Registration

Successfully completed courses "Logistics Basics" and "Logistics Engineering".

1.3. Expected Learning Outcomes

After passing the exam, students will be trained to:
1. Understand the basic concepts of environmental sustainability of logistics procedures.
2. Assess the impact of transport on the environment
3. Analyze the costs of environmental protection and sustainable development in logistics
4. Reconstruct the logistics and supply chain for sustainability purposes

1.4. Course Outline

1. Sustainable development. 2. The role of green logistics and transport in a sustainable supply chain. 3. Green logistics networks. 4. Smart city logistics. 5. Environmental impact of traffic. 6. Environmental impact of inventory management. 7. New vehicle technologies and environmentally friendly fuels. 8. Reducing greenhouse gas emissions. 9. Ecology and sustainable maritime transport. 10. Analysis of environmental effects of air traffic. 11. Physical Internet Initiative. 12. A brief history of green logistics research.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☐ Exercises ☒ E-learning ☐ Field work	☐ Practical work ☒ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

1. Class attendance
2. Class activity
3. Activities on the e-learning system
4. Research
5. Laying a colloquium
6. Taking the exam

The student is required to attend and actively participate in lectures and exercises and be present in at least 70% of classes. All continuous assessments affect the grade, none of which should be satisfied with less than 50%.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1	Class participation	0,5	Seminar paper		Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Evaluation is performed:
1. Participation in classes (10%)
2. Passing 2 colloquia (60%)
3. Taking the final exam (30%)

Example of evaluating learning outcomes:
1. Explain the basic concepts of environmental sustainability of logistics procedures?
2. Research and forecast ecological parameters for the port of Rijeka?
3. Assess the impact of traffic on the environment for the Rijeka-Zagreb traffic route.
4. Analyze the environmental costs for each traffic route.
5. Reconstruct the logistical routes in the Mediterranean for the purpose of sustainability after the creation of the SECA zone.

1.10. Main Reading

1. McKinnon, Cullinane, Browne, Whiteing Green Logistics: Improving the Environmental Sustainability of Logistics, Kogan Page 2010.

1.11. Recommended Reading

1. Behnam, G.H. Bell, Hensher, Sarkis (eds.) Green Logistics and Transportation: A Sustainable Supply Chain Perspective Springer 2015
2. Lun, Lai, Wong, Cheng, Green Shipping Management, Springer 2016

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Whiteing Green Logistics: Improving the Environmental Sustainability of Logistics	5	70
Green Shipping Management	2	70

1.13. Quality Assurance

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The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually, and a student survey is conducted once a semester. All data, including exam, written work and assessment, are at all times public data for all students who have enrolled in the course (on the e-learning platform).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Alen Jugović, PhD, full professor		
Course	Entrepreneurship		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		30 + 15 + 0 (2 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Introducing students to theoretical knowledge and practical problems of entrepreneurship. Acquiring knowledge and ability to identify and develop entrepreneurial ideas.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

1. Explain the basic concepts of entrepreneurship
2. List the stages of the entrepreneurial venture: from the idea to the realization
3. Analyze ways of finding ideas and markets
4. Explain the basic features of business models
5. Explain the stages of business plans
6. Analyze and apply the stages and procedures of business registration
7. Analyze the sources and ways of financing the company

1.4. Course Outline

Basic definitions of entrepreneurship (classic and contemporary approach to definition). Basic features of entrepreneurship. Definition of the stages of an entrepreneurial venture from the beginning (idea) to the end (profit). Entrepreneurship trends and adapting to the contemporary lifestyle.

Entrepreneur's profile. How to identify an entrepreneur in yourself? What are the characteristics that an entrepreneur needs to possess in order to be successful? How to successfully address the recognized skills and competences of the entrepreneurial process?

Opportunity analysis. Opportunities and insecurities in entrepreneurship. Sources of uncertainty - start-up strategies vs. established business strategies. Learning along the way and changing directions. Sources of innovation. The importance of innovation. Opportunity assessment. Competitive approach. From idea to opportunity.

Markets and planning. Market segmentation. Understanding users' needs. Competitive analysis. Generating ideas with the help of individuals and groups. Assumptions of successful planning. Discovery-based planning.

Design, testing and prototype. How to test an idea and conduct a research? Prototype creation. Minimum conditions for product sustainability. When to go into entrepreneurship?

Creating your own business models. Functions of business models. Frameworks for creating business models. Components of business models.

Business plan creation. Environment and industry analysis. Description of the venture. Production / supply plan - operational plan. Marketing plan. Organization plan. Risk evaluation.

Sources and methods of financing companies at the beginning of business. Own sources of financing. Other sources of financing. Venture capital funds. Business Angels. Crowdfunding. Financing with EU funds. Financing through commercial banks.

Creating a financial plan. Basics of financial reporting. Business and capital budget. Pro forma income statement. Pro forma cash flow. Pro forma balance sheet. Break-even point analysis. Pro forma sources and funding approval requests.

Start-ups. How to choose the most appropriate form of business? Networks, professional advisers, professional services. What is coworking?

Stages and procedures for company registration.

Business analysis based on financial indicators. Key business activity indicators. Key indicators of business profitability. Liquidity and solvency indicators.

Business sustainability and growth assumptions. Performance indicators related to creation of new value. SWOT analysis. Balanced Scorecard model. Performance measurements.

Brand development and strategy. Brand and name selection. Authenticity and personality. Affection and meritocracy. Incubators and accelerators. Lifetime and customers value. Entrepreneurial strategy.

Team development. The importance of forming a good team. Goals and motivation. Hiring key staff.

1.5. Modes of Instruction	☒ Lectures ☒ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____

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1.6. Comments	

1.7. Student Obligations

Attending classes, writing and presenting seminars, passing exams (continuous assessment) and passing final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	0,25	Class participation		Seminar paper	0,75	Experiment	
Written exam	1,5	Oral exam		Essay		Research	
Project		Continuous Assessment	2,5	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Assessment is done by conducting two exams (continuous assessment), writing and presenting a seminar paper and taking the final exam.

1. *Define the concept of entrepreneurship*
2. *Describe the stages that the entrepreneur is going through in order to conduct the entrepreneurial venture*
3. *Define the term brainstorming*
4. *Explain the basic features of business models*
5. *Specify what the business plan summary should include*
6. *List the stages of registration of a limited liability company*
7. *Explain how businesses can be financed*

1.10. Main Reading

1. Robert D. Hisrich, Michael P. Peters, Dean A. Shepherd – Poduzetništvo
2. Marica Škrtić, Mihaela Mikić: Poduzetništvo, Sinergija nakladništvo, Zagreb, 2011.

1.11. Recommended Reading

1. Vinko Belak – Analiza poslovne uspješnosti, RRiF-plus d.o.o. za nakladništvo i poslovne usluge, 2014.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Robert D. Hisrich, Michael P. Peters, Dean A. Shepherd – Poduzetništvo	11	
Marica Škrtić, Mihaela Mikić: Poduzetništvo, Sinergija nakladništvo, Zagreb, 2011.	10	

1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and in accordance with European standards and guidelines for quality assurance implemented at the Faculty of Maritime Studies in Rijeka.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Generic information			
Head of Course	Borna Debelić, PhD, Associate Professor		
Course	Strategic Management		
Study Programme	Logistic and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		30+15+0 (2 + 1 +0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Introduction to relevant aspects of modern theory of strategic management, practical process of strategic management and its stages, especially environmental analysis, setting the direction of the organization, formulating strategies, implementing strategies, control and evaluation of strategies, and feedback in strategic management.

1.2. Prerequisites for Course Registration

No additional prerequisites.

1.3. Expected Learning Outcomes

After passing the exam, students will be able to do the following:

8. Explain the elements and relationships in the strategic management system
9. Highlight and explain the possibilities of applying strategic management
10. List and interpret the parts of the environment and the way of conducting the analysis of the environment
11. Explain the business mission, vision and goals
12. List and explain the approaches in formulating the strategy
13. Describe and explain the principles and content of strategy implementation
14. State and interpret strategic control

1.4. Course Outline

1. Introduction to strategic management
2. Environmental analysis
3. Setting mission, vision, and goals
4. Formulation of strategy
5. Strategy implementation
6. Strategic control

1.5. Modes of Instruction		
	☒ Lectures	☒ Practical work
	☒ Seminars and workshops	☐ Multimedia and Network
	☒ Exercises	☐ Laboratory
	☒ E-learning	☒ Mentorship
	☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

1. Attending classes
2. Actively participate in classes
3. Study, research and solving tasks
4. Colloquiums
5. Final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	0,5	Class participation	0,5	Seminar paper		Experiment	
Written exam	1	Oral exam	1	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Through colloquiums, experiment and course attendance and participation students achieve up to 70% (Learning Outcomes from 1 to 7), while with the written Final Exam (Learning Outcomes from 1 to 7) up to 30% of total score.

Examples of Assessment of Learning Outcomes:

1. List and discuss the elements and relationships in a strategic management system (Learning Outcome 1)
2. State and explain the possibilities of applying strategic management (Learning Outcome 2)
3. Describe the parts of the environment and indicate the methods of conducting the environmental analysis (Learning Outcome 3)
4. Describe and explain the principles and approaches in creating a business mission, vision and goals (Learning Outcome 4)
5. List the approaches in formulating a strategy and explain the advantages and disadvantages of each one (Learning Outcome 5)
6. Explain and describe the principles and content of strategy implementation (Learning Outcome 6)
7. List the elements and explain the strategic control process (Learning Outcome 7)

1.10. Main Reading

1. Buble M., et al. (2005). Strateški menadžment. Zagreb: Sinergija d.o.o.
2. Mencer I. (2003). Strateški menadžment i poslovna politika. Rijeka: Vita-graf d.o.o.

1.11. Recommended Reading

1. Buble, M. (2006). Osnove menadžmenta. Zagreb: Sinergija d.o.o.
2. Sikavica, P., Bahtjarević- Siber, F.,Vokić Pološki, N. (2008). Temelji menadžmenta. Zagreb: Školska knjiga.
3. Sikavica, P., Bahtijarević-Šiber, F. (2004). Menadžment. Zagreb: Masmedija d.o.o.
4. Buble M. (2000). Menadžment. Split: Ekonomski fakultet.
5. Nicholas, C. S. (1995). Menadžment malih poduzeća. Zagreb: Mate d.o.o.
6. Sikavica, P., Bahtijarević-Šiber, F. (2001). Leksikon menadžmenta. Zagreb: Masmedija d.o.o.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*

1.13. Quality Assurance

Quality assurance system of educational process is in accordance with ISO 9001:2000 system as implemented on Faculty of Maritime Studies Rijeka. Analysis of exams is carried out annually. Students' evaluation is carried out each semester (more details provided in part describing organization of the Faculty).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course			
Course	Undergraduate Thesis		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Core		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		10
	Number of Hours (L+E+S)		

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Preparation of the undergraduate thesis with continuous consultation with the mentor and successful oral defense of the undergraduate thesis aims to prove that the student:

- *ability to apply theoretical and practical knowledge acquired during undergraduate studies,*
- *ability to independently analyze current foreign and domestic literature in research and written processing of the defined topic of the thesis*
- *ability to analyze relevant other people's knowledge, attitudes and facts published in the used literature,*
- *ability to define and interpret illustrations (tables, graphs, photographs, drawings) in accordance with the methodology of research work*

1.2. Prerequisites for Course Registration

The student enrolls in the course *undergraduate* Paper by enrolling in the sixth (summer) semester of graduate study, and the conditions for enrollment are: all courses taken from the fifth (winter) semester and the absence of a possible ban on taking courses from the fifth (winter) semester.

1.3. Expected Learning Outcomes

1. Analyze and apply the theoretical and practical knowledge acquired during the studies
2. Independently analyze, process and interpret a given (selected) topic.
3. Properly apply the methodology and technology of the thesis.

1.4. Course Outline

The undergraduate thesis is an independent professional or scientific treatment of an established topic. With the undergraduate thesis the student proves the possession of competencies and learning outcomes in solving problems in professional and scientific areas that form undergraduate study Logistics and Management in Maritime Industry and Transport and the use of theoretical and practical knowledge acquired during undergraduate studies. In the process of defending the undergraduate thesis, the student must prove mastery of theoretical and practical knowledge in the field of logistics and management in maritime industry and transport.
The undergraduate Thesis at the Faculty is given, written and defended in the Croatian language. Exceptionally, the undergraduate paper may be written and defended in a foreign language. The defense of the undergraduate thesis is conducted orally before the commission for the defense of the undergraduate thesis.

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1.5. Modes of Instruction	☐ Lectures ☐ Seminars and workshops ☐ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☐ Laboratory ☒ Mentorship ☒ Other research and cooperation with business, analysis and processing of examples and data from practice, etc.)
1.6. Comments		

1.7. Student Obligations

The obligations of students relate to: preparation of the undergraduate thesis with continuous consultations with the mentor during the summer semester and the successful defense of the undergraduate thesis before the commission for the defense of the undergraduate thesis. The manner of applying, preparing and defending and evaluating the undergraduate thesis is prescribed by the Ordinance on the undergraduate thesis at the University study of the Faculty of Maritime Studies in Rijeka..

1.8. Assessment[1] of Learning Outcomes

Course attendance		Class participation		Seminar paper		Experiment	
Written exam		Oral exam		Essay		Research	4
Project		Continuous Assessment		Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

In accordance with the Instructions on the application of the information system for checking the authenticity of student work of the University of Rijeka, work, and using the Turnitin service (www.turnitin.com), the mentor checks the authenticity of the undergraduate thesis.
Based on the above analysis, he compiles a Report on the conducted authenticity of student work - Appendix C (University of Rijeka Form) within which he provides data on student work and gives an opinion and explanation on whether the undergraduate thesis meets the requirements of original work. A positive opinion of the mentor and a positive report on the authenticity of the student work is a prerequisite for the acceptance of the undergraduate thesis and the organization of the defense. The defense of the undergraduate thesis is held before the Commission for the Defense of the undergraduate thesis, which consists of three members, including a mentor. The members of the Committee examine the candidate and a record is kept of the process of defending the undergraduate thesis, which records all information about the student and the undergraduate thesis, questions asked by the members of the Commission and the success of the candidate in defending the undergraduate thesis.

1.10. Main Reading

- obligatory literature from the course from which the undergraduate thesis is applied for and written
- other required literature in agreement with the subject teacher - mentor
- instructions for writing the undergraduate thesis, editors: Prof. dr.sc. I. Kolanović, Assoc. prof. dr.sc. A. Perić Hadžić, Assoc. prof. dr.sc. I. Jurdana, Assoc. Prof. dr.sc. I. Rudan, Faculty of Maritime Studies in Rijeka, University of Rijeka, Rijeka, 2020 - available at https://www.pfri.uniri.hr/web/hr/dokumenti/Upute_za_izradu_zavrsnog_rada_PFRI_02.06.2020.pdf

1.11. Recommended Reading

- supplementary literature from the course from which the diploma thesis is applied for and written
- other supplementary literature in agreement with the subject professor - mentor

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Instructions for writing the undergraduate thesis, editors: Prof. dr.sc. I. Kolanović, Assoc. prof. dr.sc. A. Perić Hadžić, Assoc. prof. dr.sc. I. Jurdana, Assoc. Prof. dr.sc. I. Rudan, Faculty of Maritime Studies in Rijeka, University of Rijeka, Rijeka, 2020.	Available at: *https://www.pfri.uniri.hr/web/hr/dokumenti/Upute_za_izradu_zavrsnog_rada_PFRI_02.06.2020.pdf*	

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of exams is made annually, and once a semester a survey is conducted among students.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course.

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Course description

Generic information			
Head of Course	Edvard Tijan, PhD		
Course	Student practicum		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		0 + 60 + 0 (0 + 4 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The aim of the course is to improve students' knowledge and business competencies through simulating business processes in the form of workshops. Through various simulations, students have the opportunity to show how skilled they are in the practical application of the acquired knowledge in the field of maritime transport and logistics.

1.2. *Prerequisites for Course Registration*

None

1.3. Expected Learning Outcomes

- Apply different procedures in business processes in the field of maritime transport and logistics: planning and managing the processes of cargo transhipment, loading and stacking of cargo, managing of transhipment means and technological processes, booking of a ship and cargo, performing the duties of a shipping agent, filling out and issuing electronic transport documents, running a logistic warehouse, using electronic ship and cargo databases, etc.
- Connect individual interdependent business processes with respect to the functionality of the maritime, port and transport systems and transport logistics.
- Apply the existing knowledge acquired during the study and improve their own knowledge of the way they are implemented in work processes and evaluate the importance of individual competencies on the functionality of the process and performance.

1.4. Course Outline

The student gets acquainted with the relevant tasks in the field of maritime transport and logistics, completes and tests his own professional knowledge related to understanding business processes.

1.5. Modes of Instruction	☐ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☒ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

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1. attendance at exercises
2. seminar paper (ppt presentation)
3. final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	2	Class participation	0,5	Seminar paper	0,5	Experiment	
Written exam	0,5	Oral exam		Essay		Research	
Project		Continuous Assessment		Presentation		Practical work	0,5
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Students' dedication and activity at the workshops and seminar paper are evaluated.

1.10. Main Reading

None

1.11. Recommended Reading

None

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*

1.13. Quality Assurance

The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually and a student survey is conducted once a semester. All data, including exam, written work and assessment, are at all times public

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course.

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Course description

Generic information			
Head of Course	Edvard Tijan, PhD		
Course	Student practice (internship)		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		0 + 60 + 0 (0 + 4 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The student tests and complements his / her own professional knowledge with a complete overview of the work process.

1.2. Prerequisites for Course Registration

None

1.3. Expected Learning Outcomes

- Apply the acquired knowledge and skills obtained from the content of the completed courses.
- Gain work process experience.
- Develop and deepen competencies for solving specific professional tasks.

1.4. Course Outline

Professional practice at undergraduate university study is performed individually in an organization (company) whose activity is in the field of student studies, in which there are jobs in accordance with the Rules of Practice and the content of the study curriculum. As part of the professional practice, the student becomes acquainted with the appropriate jobs for which the student is trained through educational programs, and with the task of checking and supplementing student's own professional knowledge, with a complete overview of the work process.

1.5. Modes of Instruction		
	☐ Lectures	☐ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☐ Exercises	☐ Laboratory
	☐ E-learning	☐ Mentorship
	☒ Field work	☐ Other _____
1.6. Comments		

1.7. Student Obligations

Professional practice (15 working days, or 120 hours), and preparation of reports of completed practice in a written form.

1.8. Assessment[1] of Learning Outcomes

Course attendance		Class participation		Seminar paper		Experiment	
Written exam		Oral exam		Essay		Research	
Project		Continuous Assessment		Presentation	2	Practical work	2
Portfolio							

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1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam
Students' commitment and activity, as well as the preparation of reports on completed practice, are evaluated
1.10. Main Reading
None
1.11. Recommended Reading
None
1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*

1.13. Quality Assurance
The quality of study is constantly monitored in accordance with the ISO 9001 system implemented at the Faculty of Maritime Studies in Rijeka. An analysis of the exams is made annually and a student survey is conducted once a semester. All data, including exam, written work and assessment, are at all times public data for all students who have enrolled in the course (on the e-learning platform).

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Igor Vio, PhD		
Course	Maritime Administrative Law		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		45 + 0 + 0 (3 + 0 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Students should become familiar with international and national legal framework regulating the boundaries of national jurisdiction at sea, rights and duties of states at sea, their mutual relations related to exploration and exploitation of marine and submarine resources and their protection, their relations concerning war and neutrality in armed conflicts at sea, as well as safety of navigation and protection of the marine environment, organization of maritime administration, labour relations of seafarers, flag state and port state control, maintenance of order in ports and harbours, and regime of maritime domain.

1.2. Prerequisites for Course Registration

none

1.3. Expected Learning Outcomes

1. To list and compare the international conventions and other sources of the international law of the sea, to describe its basic principles and to explain their influence on the regimes of navigation of ships in various parts of the sea, as well as on the regime of the exploitation of the resources of the sea and the seabed.
2. To explain the regime of entry and navigation of various foreign ships (merchant, government, military, fishing or scientific) and foreign yachts and boats in internal waters, territorial sea and protected ecological and fishery zone of the Republic of Croatia.
3. To enumerate and interpret rules and regulations of international maritime law governing the safety of navigation and the protection of the marine environment.
4. To explain the structure and describe the activities of the International Maritime Organization (IMO) and the European Maritime Safety Agency (EMSA).
5. To list the laws and regulations of the Republic of Croatia in the area of maritime administrative law and explain their application to ships and other maritime vessels and crafts, maritime navigation, sea lanes, pilotage and order in ports.
6. To describe the organization of the maritime administration in the Republic of Croatia, explain the role and organization of harbour master's offices, to enumerate their functions, highlight the features of the certificate of registration and other ship documents and books, indicate the principles and procedures of inspection, explain the technical control and list other activities of the Croatian Register of Shipping.
7. To explicate the legal regulation of the maritime domain and seaports in the Republic of Croatia, describe the concept of the maritime domain and highlight the features of its concession, interpret the notion and list the types of seaports, and to describe the structure of the port authority and indicate its activities.

1.4. Course Outline

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Part I: International Law of the Sea: definition and codification: UNCLOS I, II and III - Geneva Conventions (1958) and UN Convention on the Law of the Sea (1982); internal waters, ports, bays, historic bays and historic waters, archipelagic waters, regime of islands, territorial sea, contiguous zone, straits used for international navigation, canals, continental shelf, exclusive economic zone, maritime boundary delimitation, area, high seas, land-locked states, geographically disadvantaged states, enclosed and semi-enclosed seas, marine scientific research, marine pollution, marine and submarine areas of the Republic of Croatia, status of foreign ships in Croatian internal waters and territorial sea; International Law of Armed Conflicts at Sea: rights and duties of neutral and belligerent states, war zones at sea, status of neutral ships in convoy, status of military and merchant ships in armed conflicts, naval blockade, contraband of war.
Part II: International Maritime Organization (IMO) – structure, goals and functions. International conventions on safety of navigation and protection of the marine environment: SOLAS, COLREG, LOADLINES, TONNAGE, INTERVENTION, LDC, MARPOL, OPRC, AFS and BWC. Principles of ISM and ISPS Code, Paris Memorandum of Understanding on Port State Control, problems of flags of convenience. European Maritime Safety Agency (EMSA) - structure and functions. Master and crew, STCW Convention, Maritime Labour Convention and other Conventions and Resolutions of the International Labour Organization (ILO). Croatian maritime legislation, Maritime Code, harbour master's offices and inspection of safety of navigation, categories of navigation, sea lanes, pilotage, ships – legal regime, ownership, nationality, registration, classification, name and call sign, ship registers, ship's documents, log book. Croatian Register of Shipping, technical supervision of ships, jurisdiction – flag state, coastal state and port state jurisdiction. Maritime Domain and Seaports Act, concept of maritime domain, concessions, definitions and characteristics of ports and harbours, concessions for port activities, port fees.

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☐ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

a) Students' main obligations are active course attendance with the preparation and presentation of seminar paper and they are required to pass two mid-term exams.
b) As a prerequisite for the final exam, students must score at least 35 out of a possible 70 points (50%) during the classes.
c) Students must score at least 15 out of a possible 30 points on final exams (50%).

1.8. Assessment[1] of Learning Outcomes

Course attendance		Class participation		Seminar paper		Experiment	
Written exam		Oral exam		Essay		Research	
Project		Continuous Assessment		Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The evaluation procedure consists of continuous examination of knowledge in the form of two tests and a final exam. Examples of evaluating learning outcomes during classes and on the final exam:

1. Compare the concept and legal regime of the contiguous zone according to the Convention on the Territorial Sea and Contiguous Zone (1958) and the UN Convention on the Law of the Sea (1982).
2. Indicate and explain conditions for entry and navigation of ships, yachts and boats of foreign nationality in internal waters of the Republic of Croatia, including their stay in seaports and shipyards.
3. List and discuss international acts regulating the protection of the marine environment from pollution.
4. Describe the structure of the International Maritime Organization (IMO) and highlight the role and functions of each body (Assembly, Council, Secretariat, Committees and Subcommittees).
5. Interpret the term and types of pilotage according to the provisions of the Maritime Code of the Republic of Croatia, specify the rights and duties of the pilot, and explain potential responsibility and liability of the pilot and of the pilot company.
6. Describe the structure of the maritime administration in the Republic of Croatia, highlight the most important powers of harbour master's office, and in particular explain and describe the rules of procedure for maritime offenses.
7. Explain the legal concept of maritime domain and indicate which parts of land and sea have this status.

1.10. Main Reading

Luttenberger, Axel, Pomorsko upravno pravo, Pomorski fakultet, Rijeka, 2005.
Luttenberger, Axel, Osnove međunarodnog prava mora, Pomorski fakultet, Rijeka, 2006.
Luttenberger, Axel, Pomorsko ratno pravo, Pomorski fakultet, Rijeka, 2008.

1.11. Recommended Reading

Capar, Rudolf, Međunarodno pravo mora, Pomorski fakultet, Rijeka, 1994.
Capar, Rudolf, Međunarodno pomorsko ratno pravo, Školska knjiga, Zagreb, 1989.
Grabovac, Ivo, Pomorsko pravo, Knjiga I: Pomorsko javno i upravno pravo,VPŠ Split, 2001
Grabovac, Ivo – Petrinović, Ranka, Pomorsko javno, upravno i radno pravo, Pomorski fakultet, Split, 2006.
Ibler, Vladimir, Međunarodno pravo mora i Hrvatska, Barbat, Zagreb, 2001.
Rudolf, Davorin, Međunarodno pravo mora, JAZU, Zagreb, 1985.
Pomorski zakonik, N.N. 181/04. (s kasnijim izmjenama i dopunama)
Zakon o pomorskom dobru i morskim lukama, N.N. 158/03. (s kasnijim izmjenama i dopunama)

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Osnove međunarodnog prava mora	Sufficient (in library and book shop)	45
Pomorsko ratno pravo	Sufficient (in library and book shop)	45
Pomorsko upravno pravo	Sufficient (in library and book shop)	45

1.13. Quality Assurance

Quality assurance of the course performance is continuously monitored according to ISO 9001 system applied at the University of Rijeka Faculty of Maritime Studies. An analysis of results of the final exams and a student survey are conducted and appropriate measures are adopted for each academic year.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Livia Maglić, PhD, Assist. proffessor		
Course	Cargo handling equipment		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Optional		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		45+15+0 (3 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The goal of the course is to familiarize students with the material handling equipment and their exploitation features depending on the type of cargo and handling techniques.

1.2. Prerequisites for Course Registration

None.

1.3. Expected Learning Outcomes

1. Define the basic terms of transport, transfer, transshipment, material handling equipment.
2. Explain the role and importance of material handling equipment in the transport process.
3. Classify material handling equipment by type of cargo and technological process of transshipment.
4. Explain and determine the factors determining the exploitation characteristics of the material handling equipment.
5. Compare and give an example of the application of types of material handling equipment, depending on the technological process of transshipment.
6. Explain how to evaluate, select and determine the required number of material handling equipment.
7. Comprehend and explain the importance of the safety aspect during operations with particular material handling equipment.
8. Determine the productivity, operating class, stability, and a load of material handling equipment.

1.4. Course Outline

Definition of terms of transport, transfer, and transshipment. Types and basic features of transshipment. The productivity of the material handling equipment. Determination of the operating class, safe working load and working speeds of material handling equipment. Cargo lifting gears for handling loads. Documentation, inspection, and testing of material handling equipment. Safety management of material handling equipment.

1.5. Modes of Instruction

☒ Lectures	☒ Practical work
☐ Seminars and workshops	☐ Multimedia and Network
☒ Exercises	☐ Laboratory
☐ E-learning	☐ Mentorship
☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

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1. Two colloquiums
2. Design and present a project assignment
3. Final exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper		Experiment	
Written exam		Oral exam	1,0	Essay		Research	
Project	1,0	Continuous Assessment	1,5	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The procedure for evaluating the acquired learning outcomes is carried out according to the Regulations on Studies of the University of Rijeka and the Rulebook on Studies at the Faculty of Maritime Studies in Rijeka as follows:

- 70% of the acquired learning outcomes are evaluated through continuous knowledge assessment during the teaching process: through the 1st colloquium - learning outcomes 1-4 (25%), 2nd colloquium - 5-8 (25%), project assignment - learning outcomes 1-8 (20%);
- 30% of the acquired learning outcomes (1-8) are evaluated at the final part of the exam, with a minimum of 50% of available points necessary for passing the final exam.

Examples of evaluating learning outcomes respecting set learning outcomes are:

1. Define the term transport.
2. Specify the basic sizes in the material flow technology for the requirements of cargo transfer with continuous material handling equipment.
3. Explain and describe the basic criteria for the classification of material handling equipment.
4. Classify and explain the utilization coefficients of the safe working load capacity of the material handling equipment.
5. Explain the relation of routes as one of the indicators of valuation of the operation of material handling equipment.
6. Classify and describe the safety precautions when operating with a crane.
7. Calculate and explain theoretical and exploitative productivity on a given numerical example.
8. Calculate the relevant parameters for determining the operating class of a quay crane for the given example.

1.10. Main Reading

- Course presentations available on the e-learning system Merlin
- Dundović, Č., Prekrcajna sredstva prekidnog transporta, Pomorski fakultet u Rijeci, Rijeka, 2005.
- Mavrin, I., Transporteri, Fakultet prometnih znanosti, Zagreb, 1999.

1.11. Recommended Reading

- Maglić, L. Optimizacija raspodjele kontejnera na slagalištu lučkoga kontejnerskog terminala, doctoral thesis 2015.
- Burič, A.M., Zbirka riješenih zadataka iz pretovarne mehanizacije, Univerzitet Crne Gore, Podgorica, 2010.
- Vladić, J., Transportna i pretovarna sredstva i uređaji: neprekidni i automatizovani transport, Fakultet tehničkih nauka, Novi Sad, 2005.
- Vladić, J., Mehanizacija i tehnologija pretovara: neprekidni transport i specifične mašine i uređaji, Fakultet tehničkih nauka, Novi Sad, 2005.
- Bukumirović, M., Zbirka riješenih zadataka iz elemenata transportnih sredstava i uređaja 2, Univerzitet u Beogradu, Saobraćajni fakultet, Beograd, 2003.
- Matić, A., Prekrcajna sredstva u pomorskom transportu 1, Veleučilište u Dubrovniku, Dubrovnik, 2000.

1.12. Number of Main Reading Examples

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Title	*Number of examples*	*Number of students*
Dundović, Č., Prekrcajna sredstva prekidnog transporta, Pomorski fakultet u Rijeci, Rijeka, 2005.	6	70
Mavrin, I., Transporteri, Fakultet prometnih znanosti, Zagreb, 1999.	6	70

1.13. Quality Assurance

The quality of study is continuously observed under the ISO 9001 system and following European standards and guidelines for quality assurance implemented at the Faculty of Maritime Studies, University of Rijeka. An analysis of the exams is given annually, and a survey among students is conducted by the semester.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Damir Zec, PhD, Full Professor Siniša Vilke, PhD, Associate prof		
Course	Traffic safety		
Study Programme	Logistic and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		5
	Number of Hours (L+E+S)		45 + 15 + 0 (3 + 1 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The aim of the course is to acquire a basic knowledge of the system of safety and health at work in maritime, road, rail and air transport.

1.2. Prerequisites for Course Registration

1.3. Expected Learning Outcomes

1. Discuss the regulations on the international and national system of transport safety and occupational health
2. Interpret occupational safety obligations and describe protective measures in the port and on board
3. Explain the principles and measures of safe port operations
4. Classify the transport of dangerous goods and explain the procedures for the transport of dangerous goods
5. Understand the principles of port safety
6. Interpret the application of various forms of ITS road traffic control
7. Interpret time intervals and phases of crossing signal plans and identify traffic conflict areas at specific crossing examples.
8. Identify, interpret, and compare safety elements in the structural design of roadways and intersections.

1.4. Course Outline

International Traffic and Occupational Safety System. Legal system, principles and implementation of occupational health and safety. Protection of workers on board and in port. Safety precautions in port and on board. Dangerous cargo. Fire protection. Safety factors in road transport. Safety in rail transport. Application of ITS Safety in inland transport. Main features of the air transport system from the point of view of safety. Ways to improve safety, training and prevention in all modes of transport.

1.5. Modes of Instruction		
	☒ Lectures ☒ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☒ Practical work ☐ Multimedia and Network ☒ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

The student must attend at least 70% of the total lecture and exercise hours, prepare and present a seminar paper, and pass the exams (continuous assessment) in order to take the final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	2	Class participation		Seminar paper		Experiment	
Written exam		Oral exam	1	Essay		Research	
Project	1	Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The procedure of assessment of acquired learning outcomes is carried out by the study regulations of the University of Rijeka and the study regulations at the Faculty Maritime Studies in Rijeka as follows:

- 70% of the acquired learning outcomes within the 1st semester (25%), 2nd semester (25%) and through the presentation of a research task - seminars (20%) are assessed through continuous assessment during the lecture; the student must achieve at least 50% of the points in each intermediate semester, and the presentation of the research task is assessed based on elaborated assessment criteria;
- in the final part of the examination, 30% of the achieved learning outcomes will be assessed and the student must achieve at least 50% of the points to pass the final examination.

Examples of assessment of learning outcomes with set learning outcomes are:

1. Explain the basic legal requirements in the transport safety system
2. Describe the occupational safety obligations in the port and on board
3. Describe working in the port in a safe manner
4. Describe the transport of dangerous goods and explain the procedures for their transport.5. Describe the principles and application of port safety
5. Explain the various forms of ITS application in road and rail safety
6. Identify time intervals and phases of signalization of traffic devices and collisions of traffic flow at a given intersection
7. Describe the construction elements of a road project from a safety perspective.

1.10. Main Reading

1. Capar, R., Pravne osnove zaštite na radu, Fakultet za pomorstvo i saobraćaj, Rijeka, 1989.
2. Zec, D., Siguran rad u luci, Fakultet za pomorstvo i saobraćaj, Rijeka, 1991.
3. Matković, M., Protupožarna zaštita na brodovima, Fakultet za pomorstvo i saobraćaj, Rijeka, 2000.
4. Baričević, H., Tehnologija kopnenog prometa, Pomorski fakultet, Glosa, Rijeka, 2001.
5. Božičević, J., Topolnik, D., Infrastruktura cestovnog prometa, Zagreb, 1996.
6. Cerovac, V., Tehnika i sigurnost prometa, fakultet prometnih znanosti, Zagreb, 1997.

1.11. Recommended Reading

1. Međunarodna konvencija o sigurnosti ljudskih života na moru, 1974
2. Međunarodni kodeks o prijevozu opasnih tvari morem (IMDG)
3. Međunarodni kodeks za gradnju i opremanje brodova za prijevoz ukapljenih plinova (IGC),
4. Međunarodni kodeks za gradnju i opremanje brodova za prijevoz opasnih kemikalija u razlivenom stanju (IBC),
5. Zakon o prijevozu opasnih tvari Republike Hrvatske, Narodne novine«, br. 97/93., 34/95, 151/03
6. Accident prevention on board ship at sea and in port, ILO, 1969
7. Fundamental principles of occupational safety and health, ILO, 2001
8. Božičević, J. Ceste I. i II., Zagreb, 1993.
9. Happ, Z., Rotim, J., Mihoci, F., Sigurnosni aspekti hrvatskog cestovnog prometa, Suvremeni promet, god 16, broj 3-4, 1996.
10. Highway Manual Capacity, Highway Research Board, Washington DC, 1985. i 1994.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Capar, R., Pravne osnove zaštite na radu, Fakultet za pomorstvo i saobraćaj, Rijeka, 1989.	4	45
Zec, D., Siguran rad u luci, Fakultet za pomorstvo i saobraćaj, Rijeka, 1991.	7	45
Matković, M., Protupožarna zaštita na brodovima, Fakultet za pomorstvo i saobraćaj, Rijeka, 2000.	5	45
Baričević, H., Tehnologija kopnenog prometa, Pomorski fakultet, Glosa, Rijeka, 2001.	13	45
Božičević, J., Topolnik, D., Infrastruktura cestovnog prometa, Zagreb, 1996.	6	45
Cerovac, V., Tehnika i sigurnost prometa, fakultet prometnih znanosti, Zagreb, 1997.	4	45

1.13. Quality Assurance

The quality of examinations is constantly monitored by the system ISO 9001, which was introduced at Faculty Maritime Studies in Rijeka. An analysis of examinations is made annually and a student survey is conducted once a semester.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Igor Vio, PhD		
Course	Transport Insurance		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		45 + 0 + 0 (3 + 0 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Students should become familiar with international and national legal framework regulating transport insurance and gain knowledge on insurance contract features, essential elements and claim types. During this course, the emphasis is on understanding of terms and conditions concerning particular transport insurance types including modalities of insurance in maritime, air, road and railway transport. Course objectives are also to expose international trade insurance scope and modalities, and to display the functioning, significance and types of reinsurance and co-insurance contracts.

1.2. Prerequisites for Course Registration

none

1.3. Expected Learning Outcomes

1. To indicate and interpret the basic concepts of transport insurance
2. To specify and compare international and national legal sources of transport insurance, taking into account the specific circumstances of maritime, air and land transport
3. To explain and compare the characteristics and elements of individual types of transport insurance contracts, and list and differentiate various types of insurance policy and other documents
4. To interpret the significance, characteristics and impact of the Institute Cargo Clauses for the insurance of goods in domestic and international transport
5. To enumerate and analyse the features of the Institute Hulls Clauses, and compare the conditions for insurance of boats and yachts
6. To describe and interpret the structure, activities and functions of insurance companies and P&I clubs
7. To specify and describe the conditions for insurance in land (road and railway) and air transport
8. To compare and describe procedures for obtaining evidence, drafting documents and reporting damage claims to the insurer
9. To explain the concepts of co-insurance and reinsurance and describe their application

1.4. Course Outline

Transport insurance basic features, insurance contract features, insurance contract documents, transport insurance contract elements, claim types, insurance management, insurance of goods in the national and international transport, marine hull and machinery insurance, P&I insurance, small craft and yacht insurance, foreign trade insurance, credit insurance, coinsurance and reinsurance.

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1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☐ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

1.7. Student Obligations

a. Students' main obligations are active course attendance with the preparation and presentation of seminar paper and they are required to pass three tests as continuous assessment during the term.
b. As a prerequisite for the final exam, students must score at least 35 out of a possible 70 points (50%) during the classes.
c. Students must score at least 15 out of a possible 30 points on final exams (50%).

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper	0,5	Experiment	
Written exam	1,0	Oral exam		Essay		Research	
Project		Continuous Assessment	1,0	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

The evaluation procedure consists of continuous examination of knowledge in the form of three tests and a final exam. Examples of evaluating learning outcomes during classes and on the final exam:

1. Indicate and define the basic concepts and principles of transport insurance
2. List the international and national legal sources of transport insurance and explain their specific solutions for maritime, air and land transport
3. Enumerate the basic types of transport insurance contracts and compare their characteristics and elements, and specify and describe types of insurance policy and other relevant documents
4. Explain and discuss the importance of the Institute Cargo Clauses, and in particular elaborate on the application of specific cargo clauses in domestic and international maritime, land and air transport
5. Specify and describe the most important features of the Institute Hulls Clauses, then compare the terms and conditions according to the risks covered, and elaborate the specific insurance terms for boats and yachts coverage
6. Describe the organization of P&I clubs, explain their importance for liability insurance of shipping companies, and list the most important club functions
7. List the specific terms and conditions for land and air transport insurance and explain their application
8. Interpret the features of the procedures for obtaining evidence, analyse the specifics of drafting and collecting documents and demonstrate modalities of reporting damage claims to the insure
9. Explain the concepts and types of co-insurance and reinsurance, describe their characteristics and elaborate their application.

1.10. Main Reading

Drago Pavić: Pomorsko osiguranje – pravo i praksa, s osnovama kopnenoga i zračnog transportnog osiguranja, Književni krug, Split, 2012.
Ivan Frančišković: Sustav transportnih osiguranja, Croatia osiguranje d.d., Zagreb, 1994.
Ivan Frančišković: Međunarodna osiguranja, predavanja na mrežnim stranicama Fakulteta.

1.11. Recommended Reading

Ivan Frančišković: Ekonomika međunarodnih osiguranja, Ekonomski fakultet Rijeka, 2005.
Drago Pavić, Pomorsko imovinsko pravo, Književni krug, Split, 2006.
Drago Pavić: Pomorsko pravo, knjiga III – Pomorske nezgode i pomorsko osiguranje, Visoka pomorska škola, Split, 2000.
Pomorski zakonik, Narodne novine br. 181/04. (s kasnijim izmjenama i dopunama)
Zakon o pomorskom dobru i morskim lukama, N.N. 158/03. (s kasnijim izmjenama i dopunama)

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Pomorsko osiguranje – pravo i praksa, s osnovama kopnenoga i zračnog transportnog osiguranja	Sufficient (in library and book shop)	21
Sustav transportnih osiguranja	Sufficient (in library and book shop)	21
Međunarodna osiguranja	Available on the website (pfri.uniri.hr)	21

1.13. Quality Assurance

Quality assurance of the course performance is continuously monitored according to ISO 9001 system applied at the University of Rijeka Faculty of Maritime Studies. An analysis of results of the final exams and a student survey are conducted and appropriate measures are adopted for each academic year.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Biserka Rukavina, PhD		
Course	Maritime transport law		
Study Programme	Logistics and Management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		4
	Number of Hours (L+E+S)		45 + 0 + 0 (3 + 0 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Provide students with basic knowledge of the legal principles and standards relating to the essential institutes of maritime private law, and to inform students of the manner and legality of the functioning of the essential stakeholders of sea trade, in particular in the sphere of maritime transport. The aim is to enable students to understand the basic legal concepts on which maritime operations are based, to the extent necessary to carry out the tasks for which students are educated.

1.2. Prerequisites for Course Registration

No.

1.3. Expected Learning Outcomes

After the exam is passed, students will be able to do the following:

1. Define and interpret the basic legal principles and norms relating to the essential institutes of maritime private law.
2. Explain the basic concepts of proprietary rights on a ship and distinguish and describe the specifics of right of ship owner and other proprietary rights on a ship (mortgage and maritime lien).
3. Define and explain the rights, obligations and responsibilities of the essential stakeholders of navigation business on the basis of international and national maritime property law.
4. Distinguish and interpret the contracts for the exploitation of ships (contract for the carriage of goods, contract for carriage of passengers and luggage by sea, tow contract, multimodal transport).
5. Analyze and explain the documents used in the sea trade.
6. Explain the role and importance of insurance in maritime affairs, interpret the specificities of the hull and machinery insurance, the insurance of goods and describe the organization, activities and function of P&I clubs.

1.4. Course Outline

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1. Legal sources and division of maritime private law.
2. Ship's proprietary rights (rights of ownership, mortgages, maritime liens).
3. Persons in maritime trading operations (charterer, shipper, consignee, maritime agent, freight forwarder, stevedores, operator and shipowner; insurer).
4. Bareboat charter.
5. Contracts for the exploitation of ships - term and systematic.
6. Contracts for the carriage of goods by sea (types, main characteristics, basic obligations).
7. Transport documents.
8. Liability of the carrier; general limitation of liability in the maritime business.
9. Maritime insurance (term, legal sources, maritime insurance contract, insurance of goods, insurance of ships, characteristics of P&I clubs).

1.5. Modes of Instruction		
	☒ Lectures	☒ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☐ Exercises	☐ Laboratory
	☐ E-learning	☐ Mentorship
	☐ Field work	☐ Presentation

1.6. Comments	

1.7. Student Obligations

Class attendance.
Practical work (Power Point presentation).
The colloquiums.
Final exam.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper	0,5	Experiment	
Written exam	1	Oral exam		Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

70 % in class and 30% on the final exam (according to the Ordinance on Studies of the University of Rijeka and the Ordinance on Studies of the Faculty of Maritime Studies in Rijeka).
Continuous knowledge assessment:
3 colloquiums ((1. colloquium 15 points, 2. i 3. colloquiums 20 points).
Practical work/seminar paper (15 points).
Final exam.
The final exam (written exam) checks the integrity of knowledge and a minimum of 50% correct answers (15 points out of total 30 points) must be obtained.

1. Specify and compare the international and national legal sources governing charter parties.
2. Explain the difference between the terms of the shipowner and the disponent owner.
3. Describe the essential elements of the voyage charter party using a specific standard charter party form.
4. Describe what cargo information should be entered in the bill of lading.
5. Indicate period of time within the consignee may submit the complaint for the damage of goods.
6. Explain the role of insurance in maritime transport.

1.10. Main Reading

Pavić, Drago, Pomorsko imovinsko pravo, Književni krug, Split, 2006.

1.11. Recommended Reading

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1. Pomorski zakonik, pročišćeni tekst.
2. Pavić, Drago, Pomorsko osiguranje, Pravo i praksa, Split, 2012.
3. Pavić, Drago, Pomorsko pravo, Knjiga druga: Pravo pomorskih prijevoza, Split, 2002.
4. Pavić, Drago, Pomorsko pravo, Knjiga treća: Pomorske nezgode-pomorsko osiguranje, Split, 2000.
5. Grabovac, Ivo, Pomorsko pravo Republike Hrvatske, Split, 1997.
6. Grabovac, Ivo, Temelj odgovornosti u prometnom pravu, Književni krug, Split, 2000.
7. Grabovac, Ivo, Ogledi o odgovornosti brodara, Književni krug, Split 1997.
8. Bolanča Dragan, Odgovornost brodara za izuzete slučajeve, Pravni fakultet, Split, 1996.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Pavić, Drago, Pomorsko imovinsko pravo, Književni krug, Split, 2006.	Enough: In the library and Faculty's bookshop	40

1.13. Quality Assurance

The quality of study is monitored in accordance with the ISO 9001 system and in accordance with European standards and guidelines for quality assurance carried out at the Faculty of Maritime Studies University of Rijeka. Once a year, the results of the transience are analyzed and appropriate measures are adopted.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Sandra Tominac Coslovich, PhD, Associate professor		
Course	English language 6		
Study Programme	Logistics and management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		3
	Number of Hours (L+E+S)		15 + 30 + 0 (1 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

Course objectives meet the English language requirements for obtaining a B. Sc. degree in Logistics and Management in Maritime Transport and include acquiring communicative competence for effective use of English as a language of international maritime communication for the purpose of ensuring efficient business operations and management in the maritime industry.

1.2. Prerequisites for Course Registration

Successful completion of English language 5 course

1.3. Expected Learning Outcomes

Upon completing the course the students will be able:

6. To demonstrate 4 basic language skills in English: reading, writing, listening and speaking at B2 level (independent user) according to the Common European Framework of Reference for languages
7. To demonstrate specialized language knowledge and skills for the purpose of performing specialist jobs in the field of logistics and management in maritime transport
8. To express themselves in speech and in writing and discuss specialist topics in English
9. To translate specialized texts from English into Croatian and vice versa
10. To use language skills in written and verbal communication in English among different specialists in the field of maritime transport
11. To present independently a topic from the field of logistics and management in maritime transport

1.4. Course Outline

The course focuses on *content-based learning*. It applies the *communicative approach* to learning and teaching English as a Foreign Language (EFL) and English as a Second Language (ESL). The course focuses on the acquisition and practical use of: vocabulary/terminology skills (terms, polysemous words, multiple-word lexical units, collocations, lexical sets), discourse and pragmatic elements of shipping-related texts and communication, most frequent and typical grammatical structures and features restricted to maritime discourse (written and spoken) regarding the following topics: cargo damage, cargo claims, notes of protest, sea protest, ship management, market players in shipping

1.5. Modes of Instruction	☒ Lectures ☐ Seminars and workshops ☒ Exercises ☐ E-learning ☐ Field work	☐ Practical work ☐ Multimedia and Network ☐ Laboratory ☐ Mentorship ☐ Other _____
1.6. Comments		

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1.7. Student Obligations

1. course attendance (lectures and exercises)
2. giving a presentation
3. passing a written test
4. passing final oral exam

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation		Seminar paper		Experiment	
Written exam	0,5	Oral exam	0,5	Essay		Research	
Project		Continuous Assessment		Presentation	0,5	Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

2 continuous assessments/test + final oral exam

1. *Describe different types of cargo damage*
2. *Explain what the letters of protest are*
3. *Explain the concept of cargo claim and translate it into Croatian*
4. *Translate the text on ship management from English into Croatian using the appropriate terminology.*
5. *Enumerate different types of payment in international trade?*
6. *Give a presentation on a chosen topic from the field of maritime transport*

1.10. Main Reading

1. Pritchard, B. (2001) *English in Shipping and Maritime Law*. Selected units available on Merlin (moodle.srce.hr)
2. Ashley, A. (2003) *Oxford Handbook of Commercial Correspondence,* (Student's Book and Workbook). Oxford University Press
3. Jones, L. & Alexander, R. (1996) *New International Business English*, Cambridge UP

1.11. Recommended Reading

1. Allison, J, Townend, J. (2017) *In Company 3.0 Logistics* (Student's book), Macmillan Publishers
2. MarEng Plus Learning Tool: http://mareng.utu.fi – selected units
3. Evans, V., Dooley, J., Buchannan, D. (2016) *Logistics* (Career Paths series), Express Publishing
4. Abegg, B., Benford, M (2008) *Poslovno dopisivanje na hrvatskom i engleskom*, Masmedia/Langenscheid

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Pritchard, B. (2001) *English in Shipping and Maritime Law*. Selected units available on Merlin (moodle.srce.hr)	Available online	40
Ashley, A. (2003) *Oxford Handbook of Commercial Correspondence,* (Student's Book and Workbook). Oxford University Press	10	40
Jones, L. & Alexander, R. (1996) *New International Business English*, Cambridge UP	10	40

1.13. Quality Assurance

Quality assurance is based on the Faculty's ISO 9001 system. Yearly analysis is carried out based on quantitative student examination data, and qualitative data based on student survey derived at the end of each semester. Furthermore, specifically to this course, all data from exams, seminars and projects are freely accessed on e-learning site by the students attending the course.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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Course description

Generic information			
Head of Course	Mirjana Borucinsky		
Course	German Language 2		
Study Programme	Logistics and management in Maritime Industry and Transport		
Type of Course	Elective		
Year of Study	3rd year	6th semester	
Estimated Student Workload and Methods of Instruction	ECTS coefficient of Student Workload		3
	Number of Hours (L+E+S)		15 + 30 + 0 (1 + 2 + 0)

1. GENERAL COURSE DESCRIPTION

1.1. Course Objectives

The main objective of the course is to expand students' proficiency and improve their written and spoken communication skills using the specific terminology of logistics, management, technology and transport in maritime affairs and industry.

1.2. Prerequisites for Course Registration

Successfully completed course German language I.

1.3. Expected Learning Outcomes

It is expected that the student will be able to:
1. Discuss general language topics in German.
2. Discuss technical topics in German.
3. Differentiate between meanings of a term encountered in general language and language for specific purposes.
4. Translate technical texts from German into Croatian (or another target language, e.g. English) and vice versa.
5. Use language skills to communicate effectively in the business surrounding.

1.4. Course Outline

Fachterminologie aus dem Bereich: Seefracht. Güterumschlag. Verladeeinrichtungen. Häfen.
Geschäftskorrespondenz (Bestellung, Widerruf, Versandanzeige)
Passiv, Nebensätze, Wortbildung.

1.5. Modes of Instruction		
	☒ Lectures	☐ Practical work
	☐ Seminars and workshops	☐ Multimedia and Network
	☐ Exercises	☐ Laboratory
	☒ E-learning	☐ Mentorship
	☐ Field work	☐ Other _____

1.6. Comments

1.7. Student Obligations

Students enrolled at the Faculty of Maritime Studies are expected to observe *the code of conduct* required by the academic institution, and regularly attend lectures and practical work sessions.

1.8. Assessment[1] of Learning Outcomes

Course attendance	1,5	Class participation	0,25	Seminar paper		Experiment	
Written exam		Oral exam	0,25	Essay		Research	
Project		Continuous Assessment	1	Presentation		Practical work	
Portfolio							

1.9. Assessment of Learning Outcomes and Examples of Evaluation during Classes and on the Final Exam

Through continuous assessment the student can achieve up to 70% (Learning Outcomes 1 to 5) of the total score, through summative assessment in the form of an oral exam (Learning Outcomes 1,2,3 and 5) up to 30% of total score.

Examples of learning outcomes evaluation through continuous and summative assessment:

1. Erörtern Sie die Vor- und Nachteile verschiedener Energiequellen.
2. Nennen Sie verschiedene Arten von Verladeeinrichtungen.
3. Wie unterscheiden sich die folgenden Fachausdrücke: *'umschlagen' ' umladen'?*
4. Übersetzen Sie den Text aus dem Deutschen ins Kroatische (Englische). Benutzen Sie dabei Fachterminologie.
5. Schreiben Sie einen Geschäftsbrief in dem Sie bestätigen dass die Bestellung durchgeführt wurde.

1.10. Main Reading

1. Fox, R. *Verkehrswesen*, Školska knjiga, Zagreb, 1996.
2. Hering, A., Matussek, M., *Geschäftskommunikation*, Max Hueber Verlag, D-85737 Ismaning, 2004.
3. Perlmann-Balme, M., Tomaszewski, A.: *Themen aktuell 3, Zertifikatsband*, Kursbuch, Max Hueber Verlag, 2004.
4. Perlmann-Balme, M., Tomaszewski, A.:: *Themen aktuell 3, Zertifikatsband*, Arbeitsbuch, Max Hueber Verlag, 2004.

1.11. Recommended Reading

1. Gutremuth, J., Konerding, B., Perseke, J., Seegert, N., *Güterverkehr – Spedition – Logistik*, Bildungsverlag EINS GmbH, Troisdorf, 2002.
2. Hurm, A., *Njemačko-hrvatski rječnik*, Školska knjiga, Zagreb, 1998.
3. Hurm., A., Jakić, B., *Hrvatsko-njemački rječnik*, Školska knjiga, Zagreb, 1999.
4. Kunkel-Razum, Kathrin: *Duden: Briefe gut und richtig schreiben*. Dudenverlag, 2003.
5. Marčetić, T., *Pregled gramatike njemačkog jezika*, Školska knjiga, Zagreb, 1999.

1.12. Number of Main Reading Examples

Title	*Number of examples*	*Number of students*
Fox, R. *Verkehrswesen*, Školska knjiga, Zagreb, 1996.		
Hering, A., Matussek, M., *Geschäftskommunikation*, Max Hueber Verlag, D-85737 Ismaning, 2004		

1.13. Quality Assurance

Internal:

- Student feedback (SET - Student evaluation of teaching) at the end of academic year.
- Course review by the head of course at the end of academic year.

External:

- Programme quality review carried by the QA Agency.

[1] **NOTE:** Name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course. Use empty fields for additional activities.

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