



Sustainable development of Blue economies through higher education and innovation in Western Balkan Countries – BLUEWBC

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BLUEWBC

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1. Innovation Management

SUBJECT TITLE		<i>Innovation management</i>		
SUBJECT CODE	SUBJECT STATUS	SEMESTER	NUMBER OF ECTS CREDITS	CLASS LOAD
	Obligatory	III	5	2L+1E+0P
STUDY PROGRAMMES FOR WHICH IT IS ORGANIZED:				
Academic Postgraduate Studies on Maritime Faculty, Study Programme Maritime Management and Logistics, 2 years (4 Terms), 120 ECTS credits				
ADMISSION REQUIREMENT:				
No prerequisites for course enrollment and attending				
GOALS OF STUDY:				
To acquire basic knowledge and skills about innovation types and ideas.				
NAME AND SURNAME OF PROFESSOR AND ASSISTANT:				
PhD Sanja Peković – professor				
TEACHING METHOD:				
lectures, exercises, case study, teamwork, consultations, homework, tests and final exam.				
SUBJECT CONTENT:				
<i>Preparatory weeks</i>	Preparation and semester enrolment			
<i>I week</i>	Introduction to innovation management			
<i>II week</i>	The basic concept of innovations / Innovation relevance			
<i>III week</i>	Innovations typology / Innovation classification			
<i>IV week</i>	Eco innovations			
<i>V week</i>	I test			
<i>VI week</i>	Service innovations / Management peculiarities of innovative activities in the service sector			
<i>VII week</i>	Idea generation and creativity			
<i>VIII week</i>	Innovations strategy			
<i>IX week</i>	Organization of innovations			
<i>X week</i>	Adaptability of innovations			
<i>XI week</i>	II test			
<i>XII week</i>	Innovation projects / Project cycle of innovation / Innovation and investment projects			
<i>XIII week</i>	Innovation risk			
<i>XIV week</i>	Innovation performance in EU			
<i>XV week</i>	ICT and service innovations			
<i>XVI week</i>	Final exam			
<i>Final week</i>	Semester verification and marks enrolment			
<i>XVIII-XXI week</i>	Additional and remedial classes and corrective exam term			
STUDENTS' WORKLOAD PER SUBJECT				
Per week		During semester		
5 credits x 40/30 = 6 hours + 40 minutes		Teaching and the Final Exam: 6h + 40 min. x 16 = 106h + 40 minutes		
Structure:		Necessary preparation before Term starting (admin., enrolment, verification): 6h + 40 min x 2 = 13h + 20min		
2 hours of lectures		Total hours for the course: 5 x 30 = 150h		
1 hour of exercise		Additional hours for preparing correction of final exam, including the taking of the exam: 30h		
0 hour of practical work				



2 hour 40 minutes of individual work, including consultations	Structure of the students' duties: 106h + 40 min.(lectures) + 13h + 20min + 30h (additional work)
Students are obliged to attend lectures, take compulsory assignments and final exam.	
IMO RECOMMENDED LITERATURE:	
LITERATURE: <ol style="list-style-type: none">1. Sanja Marinković, <i>Menadžment inovacija u uslugama</i>, 2012;2. Robert D. Atkinson, Stephen J. Ezell, <i>Ekonomika inovacija, Utrka za globalnu prednost</i>, Mate, 2014;3. Biljana Stošić, <i>Menadžment inovacija: Inovacioni projekti</i>, 2013.4. Dawson P., Andriopoulos C. <i>Managing Change, Creativity and innovation (third edition)</i>, SAGE Publications Ltd, 2017;5. Trott, P. <i>Innovation management and new product development</i>. Harlow : FT/Prentice Hall, 2012.6. Goffin, K., Mitchell, R. <i>Innovation Management: Effective strategy and implementation 3rd ed</i>. Red Globe Press, 2017.	
METHODS OF KNOWLEDGE ASSESSMENT AND MARKING: <ol style="list-style-type: none">1. Tests (2*15points – in total 30 points);2. Presentations & activity & teamwork (20 points);3. Final exam (50 points). Passing mark is awarded if the student collects more than 50 points.	
SPECIAL NOTE FOR THE SUBJECT: Students are obligatory to take the lectures.	
EXPECTED LEARNING OUTCOMES: Upon successful completion of the course, the student will be able to: <ul style="list-style-type: none">- define basic terms related to innovations,- identify roles and understand the process of innovation development,- identify different innovation types,- understand the role of innovations as a competitive advantage.	
QUALITY ASSESSMENT METHODS ENSURING THE DESIRED LEARNING OUTCOMES: Survey carried out by the University, List of student attendance, Teaching process monitored by the Faculty, Analysis of the examination passing rate (Quality Management System in compliance with ISO 9001)	
DATA PREPARED BY:	PhD Sanja Peković
NOTE:	



2. Maritime Offshore Technologies

COURSE TITLE	<i>Maritime Offshore Technologies</i>			
COURSE CODE	COURSE STATUS	SEMESTER	NUMBER OF ECTS	COURSE LOAD
	Obligatory	VI	5	3L+1E+0P
STUDY PROGRAMME: Academic undergraduate studies of Marine Engineering, 3 years (6 semesters), 180 ECTS credits				
ADMISSION REQUIREMENTS: No prerequisites for the course enrolment and attending.				
COURSE GOALS: The course aims to give the students an introduction to maritime offshore industry, including an introduction to offshore operation. The fundamentals of various main segments of maritime offshore industry are also given. The main rules and regulations relating to the offshore activities are presented.				
TEACHER(S) AND ASSISTANT(S): Prof. Danilo Nikolić, PhD				
TEACHING METHOD: Lectures. Term paper. Exercises. Compulsory assignments. Final exam. Consultations. Individual work.				
COURSE CONTENT:				
<i>Preparation week</i>	Introductions, preparation and enrolment to the term			
<i>I week</i>	History of the Maritime Offshore Industry			
<i>II week</i>	Introduction to the oil and gas industry			
<i>III week</i>	Maritime Offshore segments and ship types			
<i>IV week</i>	Planning, documentation and execution of various safe offshore operations			
<i>V week</i>	Key stakeholders in the maritime offshore industry such as ship owners, ship yards, equipment producers and service providers			
<i>VI week</i>	Key rules and regulations related to the maritime offshore industry			
<i>VII week</i>	The First Compulsory Assignment			
<i>VIII week</i>	Trends for the future. Relevant laws and regulation.			
<i>IX week</i>	Vessel and installation types and operations. Sub-sea technologies.			
<i>X week</i>	Offshore operations			
<i>XI week</i>	Offshore logistics and supply chain			
<i>XII week</i>	Vessel and installation cooperation.			
<i>XIII week</i>	Importance of human factor in offshore operations.			
<i>XIV week</i>	Relevant international laws and requirements.			
<i>XV week</i>	The Second Compulsory Assignment			
<i>XVI –XX weeks</i>	Final and make-up exam. Semester verification and administrative procedures.			
STUDENTS' WORKLOAD PER SUBJECT				
<u>Per week</u>		<u>During the semester</u>		
5 credits x 40/30 = 6 hours + 40 minutes		Teaching and the Final Exam: 6h +40 min. x 16 = 106h + 40 minutes		
Structure:		Necessary preparation before the semester starting (administration, enrolment, verification) 6h + 40 min x 2 = 13h + 20min		
3 hours of lectures		Total hours for the course: 5 x 30 = 150h		
1 hours of exercises		Additional hours for preparing correction of final exam, including the taking of the exam: 150-(120h)=30h		
0 hours of practical work		Structure of the students' duties: 106h + 40 min.(lectures) + 13h + 20min + 30h (additional work)		
2 hour 40 minutes of individual work, including consultations				



Students are required to attend classes, take the tests and exam(s).	
IMO RECOMMENDED LITERATURE:	
None.	
LITERATURE:	
<ol style="list-style-type: none">1. <i>Handbook of Offshore Engineering</i>, ISBN: 978-0-08-044381-22. <i>Offshore Structures - Design, Construction and Maintenance</i>, Mohamed A. El-Reedy, Elsevier, ISBN 978-0-12-385475-93. <i>Guide of building and classing – mobile offshore units</i>, ABS, 2008.4. <i>Offshore structures - Analysis and Design</i>, Indian Institute of Technology Madras, India5. <i>Offshore support vessels – a practical guide</i>, The Nautical Institute, 2011.6. <i>Rules for classification of offshore service vessels, tugs and special ships</i>, DNV, 2011.	
METHODS OF KNOWLEDGE ASSESSMENT AND MARKING:	
<ol style="list-style-type: none">1. <i>First Compulsory Assignment</i>, from 0 to 25 points;2. <i>The Second Compulsory Assignment</i>, from 0 to 25 points;3. <i>Term paper</i>, from 0 to 15 points;4. <i>Final exam</i>, from 0 to 30 points;5. <i>Attendance</i>, from 0 to 5 points; <p>Passing mark is awarded if collected more than 50 points.</p>	
SPECIAL NOTE FOR THE SUBJECT:	
If needed, the course can be delivered in English.	
EXPECTED LEARNING OUTCOMES:	
Upon successful completion of this subject the student will be able to:	
<ol style="list-style-type: none">1. Specifics of maritime offshore industry2. Identification of main ship types and competences needed for offshore operations.3. Complexity of various maritime offshore operations4. Key international rules and regulations related to offshore operations.5. Assessment of strategic threats and possibilities for offshore industry stakeholders.	
QUALITY ASSESSMENT METHODS:	
Audits carried out by the University, audits of the teaching process carried out by the Faculty, student attendance records, data analysis and levels of satisfaction as per the certified quality system (Quality System Management, ISO 9001:2015).	
PREPARED BY:	Prof. Danilo Nikolic, PhD
NOTE:	



3. Maritime Entrepreneurship

SUBJECT TITLE	<i>Maritime Entrepreneurship</i>			
SUBJECT CODE	SUBJECT STATUS	SEMESTER	NUMBER OF ECTS CREDITS	CLASS LOAD
STUDY PROGRAMMES FOR WHICH IT IS ORGANIZED: Maritime Management and Logistics and Maritime Sciences				
ADMISSION REQUIREMENT:				
GOALS OF STUDY: To provide an introduction to the fundamentals of entrepreneurship within the context of business opportunities in Blue Economy.				
NAME AND SURNAME OF PROFESSOR AND ASSISTANT:				
TEACHING METHOD: Lectures, case studies and project work in groups. Preparation of project report with presentation.				
SUBJECT CONTENT:				
<p>In the course, students will have the opportunity to discover business opportunities in industries along the coast of Montenegro. The course applies disciplined entrepreneurship methodology from MIT Sloan School of Management and students will work on developing business ideas for Blue Economy.</p> <p>The course will cover the following topics:</p> <ul style="list-style-type: none"> • Introduction to entrepreneurship and conceptualization of Blue Economy • Identifying business opportunities • Market segmentation • Selecting a beachhead market • Profiling the persona • The value proposition • Business model generation • The minimum viable business product • The business plan • Marketing plan • HR and leadership • Scaling of business opportunities 				
STUDENTS' WORKLOAD PER SUBJECT				
<u>Per week</u>		<u>During the semester</u>		
Students are obliged to attend lectures, take compulsory assignments and final exam.				
IMO RECOMMENDED LITERATURE: <i>There is no recommendation of literature regarding this subject.</i>				
LITERATURE:				
<ul style="list-style-type: none"> - Aulet, B. (2013). <i>Disciplined Entrepreneurship – 24 steps to a successful startup</i>. John Wiley & Sons. - Aulet, B. (2013). <i>Disciplined Entrepreneurship – Workbook</i>. John Wiley & Sons. - European Commission. (2020) <i>The EU Blue Economy Report 2020</i>. Publications Office of the European Union. - World Bank and United Nations Department of Economic and Social Affairs (2017). <i>The potential of the Blue Economy</i>. World Bank. - Light matters – a case study on startup in maritime industry – provided by NTNU 				
METHODS OF KNOWLEDGE ASSESSMENT AND MARKING:				



Project report – group assignment: developing a business plan for a Blue Economy business opportunity.
Presentation of project report.
Final exam.

SPECIAL NOTE FOR THE SUBJECT:

EXPECTED LEARNING OUTCOMES:

Upon successful completion of the course, the student will be able to:

- Define the term entrepreneurship
- Identify and describe market segments, beachhead markets and personas
- Develop value propositions and business models for Blue Economy Startups.
- Define and describe the components of a business models.
- Develop a business plan for a business opportunity.
- Describe characteristics of scalable business models.

QUALITY ASSESSMENT METHODS ENSURING THE DESIRED LEARNING OUTCOMES:

DATA PREPARED BY:

NOTE:



4. Design of Tourism Experience

SUBJECT TITLE		<i>DESIGN OF TOURISM EXPERIENCE</i>		
Course code	Course status	Semester	ECTS credits	Fond
	Obligatory	1234	7	3+2
Study program: Academic master study program xxxxxxxx (4 semesters, 120 credits)				
Prerequisites: No				
Aims: To acquire basic knowledge and skills about experience design in tourism.				
Learning outcomes: Students will be able to: <ul style="list-style-type: none"> - Understand the concept of tourism experience and the customer experience in tourism - Identify critical factors of tourism experience - Analyze external environment in tourism - Recognize sustainability issues in designing tourism experience - Evaluate business ideas related to the tourism experience - Understand the role of entrepreneurship in the tourism experience design - Present elements of a business plan in tourism business focused on tourism experience - Compare measures of customer experience in tourism 				
Lecturer/Teaching assistant: Ilija Moric				
Method: lectures, exercises, consultations, homework, tests, and final exam.				
PLAN:				
I week		Introduction to the concept of tourism experience		
II week		Key factors and typology of tourism experience		
III week		The role of market research and measurement of customer experience in tourism		
IV week		Environmental analysis in designing tourism experience. Sustainability considerations in designing tourism experience.		
V week		I test		
VI week		Experience design process. Design thinking methodology. Service design.		
VII week		Delivering memorable tourism experiences. Unique Marketing Issues. The role of themes and stories in tourism experiences		



VIII week	Trends in experience design. Creative industries ir pop culture in the promotion of tourism Experiential heritage tourism designing Co-creation of tourism experiences.
IX week	II test
X week	Entrepreneurial considerations in designing tourism experience. Market opportunities and challenges in the tourism business.
XI week	Business ideas for start-up projects in tourism addressing tourism experience. Elements of business-plan in customer experience-oriented projects.
XII week	Managerial considerations in customer experience-oriented business projects in tourism.
XIII week	Marketing strategies and marketing program in customer experience-oriented tourist projects. Evaluation of start-up projects addressing tourism experience.
XIV week	Technologies for enhancing tourism experience. Student projects: presentation and evaluation. Practical course work. Business idea generation (how to promote tourism, marketing and business promotion elements. Project (business plan) preparation. Project (business plan) presentation.
XV week	Sharing economy and tourism experience. Strategies for Firm Growth. Preparing for and Evaluating the Challenges of Growth.
WORKLOAD	
Weekly: 7 credits*40/30 = 9,4h Structure: lectures 2,3h; exercises 1,5h; independent work & consultations 5,6h.	Semesterly: Lectures and final exam: 9,33h*16=149,3h Preparations: 2*9,33h=18,7h Total workload: 7credits*30=210h Additional work: 0-42h Structure: 149,3h+18,7h+42h = 210h
Literature: 1) Saurabh Kumar Dixit, Ed., (2020), The Routledge Handbook of Tourism Experience Management and Marketing, Routledge, Abingdon; 2) Sharpley, R. and Stone, P., Ed., (2011), Tourist Experience: Contemporary Perspectives, Routledge, Abingdon;; 3) Smit, B. and Melissen,	



F., (2018), Sustainable Customer Experience Design: Co-creating Experiences in Events, Tourism and Hospitality, Routledge, Abingdon; 4) Jennings, G., (2007), Water-Based Tourism, Sport, Leisure, and Recreation Experiences, Routledge, Abingdon.

1. Entrepreneurship: starting and operating a small business. 2016. Global edition. Pearson education.

2. Effectual entrepreneurship / Stuart Read ... [et al.]. 2017. Abingdon: Routledge.

3. Technology entrepreneurship : taking innovation to the marketplace / Thomas N. Duening, Robert D. Hisrich, Michael A. Lechter. 2015. London: Academic Press.

4. Dawson P., Andriopoulos C. Managing Change, Creativity and innovation (third edition), SAGE Publications Ltd,
2017.

5. Thomke, S.,Feinberg B. Design thinking and innovation at apple. Harvard Business School case study (9-609-).

6. Tobias Buchmann & Andreas Pyka. The evolution of innovation networks: the case of a publicly funded German
automotive network. Economics of Innovation and New Technology. 2014.

7. Wonglimpiyarat, J. Innovation financing policies for entrepreneurial development - Cases of Singapore and Taiwan as newly industrializing economies in Asia. The Journal of High Technology Management Research, Volume 24, Issue 2, 2013

Examination methods: Tests (2*15points); Presentations&activity (20 points); Final exam (50 points).

Special remarks: Students are obligatory to take the lectures.

Lecturer: Ilija Moric

Comment: Additional info available at: www.ucg.ac.me



5. Technologies of Yachts and Marinas

SUBJECT TITLE		<i>Technologies of Yachts and Marinas</i>		
SUBJECT CODE	SUBJECT STATUS	SEMESTER	NUMBER OF ECTS CREDITS	CLASS LOAD
	Obligatory	V	5	2L+2E+0P
STUDY PROGRAMMES FOR WHICH IT IS ORGANIZED:				
Academic Undergraduate Studies on Maritime Faculty, Study Programme Nautical Studies, 3 years (6 Terms), 180 ECTS credits				
ADMISSION REQUIREMENT:				
No prerequisites for course enrolment and attending				
GOALS OF STUDY:				
To identify characteristics of yachts, safety and security aspects as well as pollution prevention requirements. Introduction of organizational characteristics of marinas. To define basic management functions (planning, organizing, staff, management and control) in marinas. To analyze the external effects on organization of marinas and identify the possibilities of adaptation to external changes.				
NAME AND SURNAME OF PROFESSOR AND ASSISTANT:				
PhD Srećko Favro				
TEACHING METHOD:				
Lectures, exercises, consultations, preliminary exams, case studies.				
SUBJECT CONTENT:				
<i>Preparatory weeks</i>	Preparation and semester enrolment			
<i>I week</i>	Yachts introduction. National and international regulations.			
<i>II week</i>	Building technology and yachts operations.			
<i>III week</i>	Safety and security of yachts.			
<i>IV week</i>	Environmental aspects of yachts operations.			
<i>V week</i>	Yachts in the purpose of nautical tourism.			
<i>VI week</i>	The First Compulsory Assignment			
<i>VII week</i>	Free week			
<i>VIII week</i>	Concept and types marina. Categories marina and blue flag.			
<i>IX week</i>	Marine resources. The construction, furnishing and decorating marine, nautical and tourist services in the marina.			
<i>X week</i>	Quality management services, facilities and equipment at the marina.			
<i>XI week</i>	Technological processes in marinas.			
<i>XII week</i>	Environmental impacts on marina operations.			
<i>XIII week</i>	Trends in the Mediterranean. Adjusting the marina changes and trends in the environment.			
<i>XIV week</i>	Controlling as a management function in the marines. Methods and techniques in the marines. Features and competitiveness marina in Montenegro. Capacity and performance of marinas in Montenegro.			
<i>XV week</i>	The Second Compulsory Assignment			
<i>XVI week</i>	Final exam			
<i>Final week</i>	Semester verification and marks enrolment			
<i>XVIII-XXI week</i>	Additional and remedial classes and corrective exam term			
STUDENTS' WORKLOAD PER SUBJECT				
Per week		During semester		
5 credits x 40/30 = 6 hours + 40 minutes		Teaching and the Final Exam: 6h + 40 min. x 16 = 106h + 40 minutes		



Structure: 2 hours of lectures 2 hours of exercise 0 hours of practical work 2 hours 40 minutes of individual work, including consultations	Necessary preparation before Term starting (admin., enrolment, verification): 6h + 40 min x 2 = 13h + 20min Total hours for the course: 5 x 30 = 150h Additional hours for preparing correction of final exam, including the taking of the exam: 30h Structure of the students' duties: 106h + 40 min.(lectures) + 13h + 20min + 30h (additional work)
Students are obliged to attend lectures, submit homework assignments and take final exam.	
IMO RECOMMENDED LITERATURE: <i>There is no recommendation of literature regarding this subject.</i>	
LITERATURE: 1. Favro, Kovačić (2010): <i>Nautički turizam i luke nautičkog turizma</i> , Matica Hrvatska, Split. 2. Šamanović, J (2002.): <i>Nautički turizam i menadžment marina</i> . Visoka pomorska škola u Splitu. Split. 3. Luković, T., Šamanović, J., <i>Menadžment i ekonomika nautičkog turizma</i> , Hrvatski Hidrografski Institut, Split, 2007.	
METHODS OF KNOWLEDGE ASSESSMENT AND MARKING: 1. The First Compulsory Assignment , from 0 to 35 points; 2. The Second Compulsory Assignment, from 0 to 35 points; 3. Attendance, from 0 to 5 points. 4. Final Exam, from 0 to 25 points. Passing mark is awarded if the student collects more than 50 points.	
SPECIAL NOTE FOR THE SUBJECT:	
EXPECTED LEARNING OUTCOMES: Demonstrates a knowledge and understanding of national and international regulations related to yacht operations. Define technology of building and operating of yacht in relation to safety and security. Argument importance of yachts in terms of nautical tourism. Define types of marinas as well as ways of building of marinas. Analyze technical tasks of marinas' management and aspects of external factors. Define national marinas and compare them; define their importance on international level.	
QUALITY ASSESSMENT METHODS ENSURING THE DESIRED LEARNING OUTCOMES: Survey carried out by the University, List of student attendance, Teaching process monitored by the Faculty, Analysis of the examination passing rate (Quality Management System in compliance with ISO 9001)	
DATA PREPARED BY:	PhD Srećko Favro
NOTE:	



6. Safety and Security in Maritime Industry

SUBJECT TITLE	<i>Safety and Security in Maritime Industry</i> <i>NEW CURICULA</i>			
SUBJECT CODE	SUBJECT STATUS	SEMESTER	NUMBER OF ECTS CREDITS	CLASS LOAD
	Obligatory	III	5	2L+1E+0P
STUDY PROGRAMMES FOR WHICH IT IS ORGANIZED: Academic Undergraduate Studies on Maritime Faculty, Study Programme Maritime Management and Logistics, 3 years (6 Terms), 180 ECTS credits				
ADMISSION REQUIREMENT: No prerequisites for course enrollment and attending				
GOALS OF STUDY: The course aims to provide students with knowledge of basic concepts in maritime affairs, the characteristics of maritime activities and modern trends, international maritime regulations, especially those related to the aspect of safety and security of navigation.				
NAME AND SURNAME OF PROFESSOR AND ASSISTANT: PhD Špiro Ivošević – professor, Radmila Gagić – asisstant				
TEACHING METHOD: Lectures and debates. Preparation of one seminar paper on assigned topic, preparation for tests and final exam. Consultations.				
SUBJECT CONTENT:				
<i>Preparatory weeks</i>	Preparation and semester enrolment			
<i>I week</i>	Introduction of the subject. Maritime history. Economic significance of maritime affairs.			
<i>II week</i>	Maritime economic activities.			
<i>III week</i>	Maritime non-economic activities.			
<i>IV week</i>	Ref. Lecture #2 – Ship and port development,			
<i>V week</i>	Ref. Lecture #3 Types of vessels and Lecture			
<i>VI week</i>	Ref. Lecture #4 – Types of terminals and quays and Lecture			
<i>VII week</i>	The First Compulsory Assignment			
<i>VIII week</i>	Ref. Lecture # 6 – International and National Maritime Authorities			
<i>IX week</i>	International maritime conventions. Lecture # 7 – SOLAS, Lecture # 8 – MARPOL and Lecture			
<i>X week</i>	International maritime conventions. # 9 – The Load Line Convention and other subjects in the study, MLC – The Maritime Labour Convention			
<i>XI week</i>	Ref. Lecture # 10 – The ISM Code, International Ship and Port Facility Security Code (ISPS Code).			
<i>XII week</i>	#12 Ref. Lecture #12 Port of Call and other subjects in the study			
<i>XIII week</i>	Ship’s and Port operations. #13 The duration of the port stay and the port’s strategy and finance			
<i>XIV week</i>	Safety and Security operations procedure. #14 Port Policy, lobbying and relationships,			
<i>XV week</i>	#15 Working in Harbour. The Second Compulsory Assignment			
<i>XVI week</i>	Final exam			
<i>Final week</i>	Semester verification and marks enrolment			
<i>XVIII-XXI week</i>	Additional and remedial classes and corrective exam term			



STUDENTS' WORKLOAD PER SUBJECT

<u>Per week</u>	<u>During semester</u>
<p>5 credits x 40/30 = 6 hours + 40 minutes</p> <p>Structure: 2 hours of lectures 1 hour of exercise 0 hour of practical work 2 hour 40 minutes of individual work, including consultations</p>	<p>Teaching and the Final Exam: 6h + 40 min. x 16 = 106h + 40 minutes Necessary preparation before Term starting (admin., enrolment, verification): 6h + 40 min x 2 = 13h + 20min Total hours for the course: 5 x 30 = 150h Additional hours for preparing correction of final exam, including the taking of the exam: 30h Structure of the students' duties: 106h + 40 min.(lectures) + 13h + 20min + 30h (additional work)</p>

Students are obliged to attend lectures, take compulsory assignments and final exam.

IMO RECOMMENDED LITERATURE:

1. *Captain J. W. Dickie, Reeds 21st Centery Ship Management, Bloomsbury, 2014.*
2. *Maritime management, Setting global standards for business and management education, Course handbook, 2015.*
3. *Klaas Van Dokkum, Ship Knowledge, Dokmar Maritime Publisher, 2015.*
4. *PROCEDURES FOR PORT STATE CONTROL (2012 Edition) IMO Sales No. IB650E ISBN 978-92-801-1550-5*

Bibliography:

1. *INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES (IACS) - General cargo ships: Guidelines for surveys, assessment and repair of hull structure. London, Witherby & Co. Ltd, 1999 (ISBN 1-85609-189-9)*
2. *INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES (IACS) - Guidelines for coatings maintenance and repairs. London, Witherby & Co. Ltd., 2005. (ISBN 1-85609-308-5)*

Video (DVDs) & CDs:

SEAGULL CBTs learning materials according STCW Convention: Vessel inspection and OVID (Offshore Vessel Particulars Questionnaire),

VIDEOTEL CBTs learning materials according STCW Convention: Security at sea, International safety management code, Security Awareness, Security duties.

LITERATURE:

1. *Rules and Regulations of the Classification Societies on inspections of ships (BV, LR, DNV, NKK, GL, RINA, ABS).*
2. *International Conventions STCW 95, MARPOL 73/78, SOLAS;*
3. *Script: Ship inspection and surveillance techniques, Š. Ivošević; 2014*
4. *A. Lompar, Ship Science, University of Montenegro, Kotor, 2002.*

METHODS OF KNOWLEDGE ASSESSMENT AND MARKING:

1. The First Compulsory assignment, from 0 to 35 points.
2. The Second Compulsory assignment, from 0 to 35 points.
3. Final exam, from 0 to 25 points.
4. Lecture attendance, from 0 to 5 points.

Passing mark is awarded if the student collects more than 50 points.

SPECIAL NOTE FOR THE SUBJECT:

EXPECTED LEARNING OUTCOMES:

Upon successful completion of the course, the student will be able to:

- Recognize economic and maritime importance.
- Distinguish maritime economic activities from non-economic activities.
- Define seaports and port security.
- Recognize the technical and technological characteristics of ships and their division.
- Explain the aspect of safety and security of navigation.
- Interpret the general concepts of international maritime regulations on navigation safety and environmental protection.
- Understand the importance and role of international conventions and codes.
- Define risk and quality in maritime affairs.
- Identify the role and importance of individuals in ensuring safety and security at sea.

QUALITY ASSESSMENT METHODS ENSURING THE DESIRED LEARNING OUTCOMES:



Survey carried out by the University, List of student attendance, Teaching process monitored by the Faculty, Analysis of the examination passing rate (Quality Management System in compliance with ISO 9001)

DATA PREPARED BY: PhD Špiro Ivošević				
SUBJECT TITLE <i>Basics of seaport logistics</i>				
SUBJECT CODE	SUBJECT STATUS	SEMESTER	NUMBER OF ECTS CREDITS	CLASS LOAD
	Obligatory	IV	3	2L+1E+0P
STUDY PROGRAMMES FOR WHICH IT IS ORGANIZED: Academic Undergraduate Studies on Maritime Faculty, Study Programme Maritime Management and Logistics, 3 years (6 Terms), 180 ECTS credits				
ADMISSION REQUIREMENT: No prerequisites for course enrollment and attending				
GOALS OF STUDY: Enabling students to understand the basic categories and concepts of logistics in seaports.				
NAME AND SURNAME OF PROFESSOR AND ASSISTANT: PhD Mimo Drašković – Associate Professor				
TEACHING METHOD: Lectures and debates. Preparation of one seminar paper on assigned topic, preparation for tests and final exam. Consultations.				
SUBJECT CONTENT:				
<i>Preparatory weeks</i>	Preparation and semester enrolment			
<i>I week</i>	Introductory lecture. Introduction to the curriculum and student obligations. Explanations Ref. Lecture #1, Introduction of the Subject			
<i>II week</i>	The concept of seaport logistics. Aim, tasks and importance of seaport logistics. Ref. Lecture #4 – Types of terminals and quays, Lecture # 5 – The impact of ship development on ports Lecture # 13, The duration of the port stay and the port's strategy and finances,			
<i>III week</i>	Basic functions of the seaport logistics. Ref. Lecture #12 Port of call			
<i>IV week</i>	Logistics entities and logistics activities in seaports. Ref. Lecture # 11 – The harbour and the harbour in a transport chain			
<i>V week</i>	The connection between logistics and marketing.			
<i>VI week</i>	Ref. Lecture # 13, The duration of the port stay and the port's strategy and finances Possibilities of application of logistics in the seaport transport.			
<i>VII week</i>	Ref. Lecture # 13, The duration of the port stay and the port's strategy and finances Logistics and seaport transport services. Lecture # 12 – Port of call			
<i>VIII week</i>	The First Compulsory Assignment			
<i>IX week</i>	The role and importance of information in seaport logistics. Ref. Lecture # 11 – The harbour and the harbour in a transport chain			
<i>X week</i>	Material and financial logistics flows in seaports. Ref. Presentation # 15 – Port policy, lobbying and relationships			
<i>XI week</i>	Cargo flows in seaports. Ref. Lecture # 5 – The impact of ship development on ports and Lecture # 11 – The harbour and the harbour in a transport chain			
<i>XII week</i>	The structure of the seaport logistics system. Ref. Lecture # 5 – The impact of ship development on ports and # Lecture 11 – The harbour and the harbour in a transport chain			
<i>XIII week</i>	The concept of seaport logistics marketing. Ref. Lecture #11 – The harbour and the harbour in a transport chain and Lecture # 12 – Port of call			
<i>XIV week</i>	The Second Compulsory Assignment			



XV week	Modern logistics strategies in seaports. Ref. Lecture # 14 – Port Administration, ownership and management
XVI week	Final exam
Final week	Semester verification and marks enrolment
XVIII-XXI week	Additional and remedial classes and corrective exam term

STUDENTS' WORKLOAD PER SUBJECT

<u>Per week</u>	<u>During the semester</u>
3 credits x 40/30 = 4 hours Structure: 2 hours of lectures 1 hour of exercises 1 hour of individual work including consultations	Teaching and final exam: (4 hours) x 16 = 64 hours Necessary preparations before the semester start (administration, enrolment, verification): 2 x (4 hours and 20 minutes) = 8 hours Total hours: 3 x 30 = 90 hours Remedial classes (additional hours) for preparing the make-up exam, including the exam: 0 - 30 hours. Total workload structure: 64 hours (classes) + 8 hours (preparation) + 18 hours (remedial classes)

Students are obliged to attend lectures, take compulsory assignments and final exam.

IMO RECOMMENDED LITERATURE:

There is no recommendation of literature regarding this subject.

LITERATURE:

1. Drašković, Mimo (2008), *Integrated marketing logistics in the management system of the Port of Bar, Kotor: Faculty of Maritime Studies,*
2. Drašković, Mimo (2011), *Global marketing logistics strategies, script, Kotor: Faculty of Maritime Studies*

METHODS OF KNOWLEDGE ASSESSMENT AND MARKING:

1. The First Compulsory assignment, from 0 to 35 points.
2. The Second Compulsory assignment, from 0 to 35 points.
3. Essay, from 0 to 5 points.
4. Final exam, from 0 to 20 points.
5. Lecture attendance, from 0 to 5 points.

Passing mark is awarded if the student collects more than 50 points.

SPECIAL NOTE FOR THE SUBJECT:

EXPECTED LEARNING OUTCOMES:

Upon successful completion of the course, the student will be able to:

- Define the term logistics
- Describe the specifics of seaport logistics
- Define the goal, task and importance of seaport logistics
- Describe modern concepts of seaport logistics
- Describe the possibilities of applying logistics in maritime transport
- Describe the importance of information in seaport logistics
- Describe modern logistics strategies in seaports
- Describe the possibilities of applying modern logistics concepts in seaports
- Define the basic problems in the application of logistics in seaports.

QUALITY ASSESSMENT METHODS ENSURING THE DESIRED LEARNING OUTCOMES:

Survey carried out by the University, List of student attendance, Teaching process monitored by the Faculty, Analysis of the examination passing rate (Quality Management System in compliance with ISO 9001)

DATA PREPARED BY: PhD Mimo Drašković

NOTE:



7. Environmental Management

SUBJECT TITLE	<i>Environmental management</i>			
SUBJECT CODE	SUBJECT STATUS	SEMESTER	NUMBER OF ECTS CREDITS	CLASS LOAD
	Obligatory	VI	5	3L+1E+0P
STUDY PROGRAMMES FOR WHICH IT IS ORGANIZED:				
Academic Undergraduate Studies on Maritime Faculty, Study Programme Maritime Management and Logistics, 3 years (6 Terms), 180 ECTS credits				
ADMISSION REQUIREMENT:				
No prerequisites for course enrollment and attending				
GOALS OF STUDY:				
Pollution of the marine environment from vessels. Defining potential sources of pollution. Pollution prevention and taking appropriate measures if pollution is detected. Adoption of the provisions of the MARPOL Convention 73/78 and legal regulations. To provide a theoretical and practical knowledge of entrepreneurship and innovation, which would allow students to orient themselves better in national and international environments while incepting and developing business companies. Knowledge of entrepreneurship and innovation would let to solve urgent management and economic issues in order to maintain performance sustainability and efficiency of business companies.				
NAME AND SURNAME OF PROFESSOR AND ASSISTANT:				
PhD Danilo Nikolić – professor, Radmila Gagić – asisstant				
TEACHING METHOD:				
Lectures and debates. Preparation of one seminar paper on assigned topic, preparation for tests and final exam. Work on simulator. Consultations.				
SUBJECT CONTENT:				
<i>Preparatory weeks</i>	Preparation and semester enrolment			
<i>I week</i>	Introduction to the subject. Pollution / contamination of the sea. Pollution / contamination of the sea as a result of human activities.			
<i>II week</i>	Ship as a source of pollution of the marine environment. Harmful effects of the ship on the marine environment.			
<i>III week</i>	Prevention of Pollution from Ships - MARPOL Convention 73/78. Annex I - Prevention of oil pollution from ships. SOPEP – Ship Oil Pollution Emergency Plan: mandatory and optional requirements.			
<i>IV week</i>	Annex II - Prevention of Pollution by Noxious Liquid Substances			
<i>V week</i>	Annex III - Prevention of pollution by harmful substances, which are transported by sea in packaged form Introduction to entrepreneurship and into innovation management. Innovation description. Innovation relevance. Innovation development. Recognizing business Opportunities and Generating business Ideas. Models and modes of business internationalisation. Internal and external factors of internationalisation. Practical coursework. Generation of the innovation project. Project (business plan) preparation and presentation.			
<i>VI week</i>	The First Compulsory Assignment			
<i>VII week</i>	Free week			
<i>VIII week</i>	Annex IV - Prevention of pollution by sanitary waste water			



IX week	Annex V - Prevention of pollution by garbage from ships
X week	Annex VI - Prevention of air pollution from ships:
XI week	International Convention for the Control and Management of Ships' Ballast Water and Sediments.
XII week	Contingency Plan for Accidental Marine Pollution in the Republic of Montenegro.
XIII week	Legal framework for the protection of the marine environment - Introduction.
XIV week	International regulations. Domestic regulations on the protection of the sea and the marine environment.
XV week	The Second Compulsory Assignment
XVI week	Final exam
Final week	Semester verification and marks enrolment
XVIII-XXI week	Additional and remedial classes and corrective exam term

STUDENTS' WORKLOAD PER SUBJECT

<u>Per week</u>	<u>During semester</u>
<p>5 credits x 40/30 = 6 hours + 40 minutes</p> <p>Structure: 3 hours of lectures 1 hour of exercise 0 hour of practical work 2 hour 40 minutes of individual work, including consultations</p>	<p>Teaching and the Final Exam: 6h + 40 min. x 16 = 106h + 40 minutes Necessary preparation before Term starting (admin., enrolment, verification): 6h + 40 min x 2 = 13h + 20min Total hours for the course: 5 x 30 = 150h Additional hours for preparing correction of final exam, including the taking of the exam: 30h Structure of the students' duties: 106h + 40 min.(lectures) + 13h + 20min + 30h (additional work)</p>

Students are obliged to attend lectures, take compulsory assignments and final exam.

IMO RECOMMENDED LITERATURE:

Video (DVDs) & CDs: FIGHTING POLLUTION - PREVENTING POLLUTION AT SEA (EDITION 3), WASTE AND GARBAGE MANAGEMENT CODE NO: 627, CODE NO: 607 – 612, BALLAST WATER MANAGEMENT, MARPOL. THE NEW RULES, STOWAWAYS A NEW VIEW ON PREVENTION, SOPEP (CBT # 0004), BALLAST WATER MANAGEMENT (CBT # 0027).

IMO References:

- INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS, 1973 (MARPOL 1973) (IN IMO SALES NO. IC520E) (CONSOLIDATED EDITION, 2011) (ISBN 978-92-801-15321).
 - POLLUTION PREVENTION EQUIPMENT UNDER MARPOL, 2006 EDITION. IMO SALES NO. IA646E ISBN 978-92-801-14706.
 - MANUAL ON OIL POLLUTION - SECTION I – PREVENTION (2011 EDITION) ISBN 978-92-801-4244-0.
 - MANUAL ON OIL POLLUTION - SECTION II – CONTINGENCY PLANNING, 1995 EDITION IMO SALES NO. IA560E ISBN 978-92-801-13303.
 - MANUAL ON OIL POLLUTION - SECTION III - SALVAGE, 1997 EDITION IMO SALES NO. IA566E ISBN 978-92-801-14423.
 - MANUAL ON OIL POLLUTION - SECTION IV – COMBATING OIL SPILLS, 2005 EDITION IMO SALES NO. IA569E ISBN 978-92-801-41771.
- MANUAL ON OIL POLLUTION - SECTION V: ADMINISTRATIVE ASPECTS OF OIL POLLUTION RESPONSE, 2009 EDITION IMO SALES NO. IA572E ISBN 978-92-801-15000.
- Entrepreneurship: starting and operating a small business. 2016. Global edition. Pearson education
 - Trott, P. Innovation management and new product development. Harlow : FT/Prentice Hall, 2012.
 - Goffin, K., Mitchell, R. Innovation Management: Effective strategy and implementation 3rd ed. Red Globe Press, 2017.
 - Technology entrepreneurship : taking innovation to the marketplace / Thomas N. Duening, Robert D. Hisrich,
 - Michael A. Lechter. 2015. London: Academic Press.



<p>12. Schilling M., Strategic Management of Technological Innovation (Irwin Management) 5th Edition. McGraw-Hill Education, 2016.</p> <p>13. Tulder R.; Verbeke A.; Piscitello L. International Business in the Information and Digital Age. Series: Progress in International Business Research, volume 13. Edition: First edition. Bingley, UK : Emerald Publishing Limited. 2019. eBook.</p> <p>14. Santos, J. H. A. International Business Strategy. Oakville, ON: Society Publishing. 2019. eBook.</p> <p>15. Parietti, L. V. Internationalization of Firms: The Role of Institutional Distance on Location and Entry Mode. Emerald Publishing Limited. 2017. ISBN number: 9781787141353, ISBN number: 9781787141346.</p>	
LITERATURE:	
<p>1. Nikolić D, Zaštita mora i priobalja, lecturing material.</p>	
METHODS OF KNOWLEDGE ASSESSMENT AND MARKING:	
<p>1. The First Compulsory assignment, from 0 to 20 points.</p> <p>2. The Second Compulsory assignment, from 0 to 20 points.</p> <p>3. Essay, from 0 to 10 points.</p> <p>4. Final exam, from 0 to 30 points.</p> <p>5. Work on simulator, form 0 to 15 points.</p> <p>6. Lecture attendance, from 0 to 5 points.</p> <p>Passing mark is awarded if the student collects more than 50 points.</p>	
SPECIAL NOTE FOR THE SUBJECT:	
EXPECTED LEARNING OUTCOMES:	
<p>Demonstrates a knowledge and understanding of the types and characteristics of pollutants, and assess effects of pollution to the marine environment and human life. Categorize the Most Common Sources of pollution from ships and describe prevention measures to prevent pollution of the marine environment. Interpret the basic content of the International Convention on Marine Pollution 73/78 and its annexes (Marpol Annexes I - VI), and the most important international regulations on the prevention of pollution from ships (applies to machinery spaces, cargo, ballast tanks). Connect actions against pollution with the necessary equipment. Interpret Intervention Plan (SOPEP) and give a brief description of the main elements that will be included in SOPEP (Article 26 of Annex I of MARPOL).</p>	
QUALITY ASSESSMENT METHODS ENSURING THE DESIRED LEARNING OUTCOMES:	
<p>Survey carried out by the University, List of student attendance, Teaching process monitored by the Faculty, Analysis of the examination passing rate (Quality Management System in compliance with ISO 9001)</p>	
DATA PREPARED BY:	PhD Danilo Nikolić
NOTE:	



8. English Language I

COURSE TITLE	<i>English Language I</i>			
COURSE CODE	COURSE STATUS	SEMESTER	ECTS CREDITS	COURSE LOAD
	Obligatory	II	3	2L+1E+OP
STUDY PROGRAMME:				
Undergraduate academic study programme of Nautical and Maritime Transport, 3 years (6 semesters), 180 ECTS credits				
ADMISSION REQUIREMENTS:				
There are no pre-conditions for the enrollment of this course.				
COURSE GOALS:				
The goal of the subject is to learn students how to communicate on general and specialized topics in English. They should also learn to write short letters, collect information, ask and give information related to general subjects and professional maritime domain. All four language skills are being developed. Not only linguistic but also communicative competence is enhanced.				
TEACHER(S) AND ASSISTANT(S):				
Associate professor - Milena Dževerdanović-Pejović, PhD, mr Zorica Đurović, teaching assistant				
TEACHING METHOD:				
Lectures are based on the communicative approach, i.e., the functional method. Students do seminar papers and homework assignments. Consultations are twice a week.				
COURSE CONTENT:				
<i>Preparatory weeks</i>	Preparation and semester enrolment			
<i>I week</i>	The IMO, MARPOL, SOLAS STCW, ISM Code, COLREGs. Simple Present Tense and the Present Continuous Tense. Semantic field related to lexemes and phrases expressing responsibilities and duties onboard (responsible for, liable for, in charge of).			
<i>II week</i>	Ship particulars, Ship types, Size, Capacity, Crew, Shipboard routine understanding, talking about general subjects; Countries, nationalities, flags. Simple Past and Past Continuous Tense			
<i>III week</i>	Ship construction: Shipbuilding, Ship structure, Basics of Seaman ship profession. Present Perfect, Past Continuous and Past Perfect Tense. Job interview. Filling in job application.			
<i>IV week</i>	Direction onboard the ship, ship's movement, prepositions used to express position at sea and on board ; Future tenses (shall and will/going to/present continuous for future actions)			
<i>V week</i>	Test I			



<i>VI week</i>	Safety equipment: Personal life-saving appliances, Fire – fighting equipment; Understanding purpose and position of safety equipment on board: check lists understanding. Passive. The use of prepositions of place (at berth, at sea). Collocations (to fight the fire, to launch a lifeboat).
<i>VII week</i>	Collocations (<i>to fight the fire, to launch a lifeboat</i>).
<i>VIII week</i>	Navigational equipment Sea Charts, Navigation Bridge. Modal auxiliaries
<i>IX week</i>	Emergency procedures, Man Overboard, Distress situations. Adverbs of place and manner. Exploring and discussing old and modern methods of navigation. Making notes and conclusions (therefore, thus, to conclude, to sum up)
<i>X week</i>	General English texts, reading numerical information and alphabet; writing short letters. Main and relative clauses. Connectors. Intonation, stress, pronunciation.
<i>XI week</i>	Maritime and general English idioms, Expressing personal attitudes and opinions, likes and dislikes. Sentences- asking questions, question words and negative forms.
<i>XII week</i>	Pilotage, Stowaways, Piracy . Conditional sentences. Describing current maritime trends and discussing situations regarding safety at sea. Writing short essay. Videos on piracy and affected sea routes.
<i>XIII week</i>	Test II
<i>XIV week</i>	Automatic Identification System , GPS, GMDSS, Electronic Navigation. Text understanding and organization of information.
<i>XV week</i>	Study Papers' Presentation
<i>XVI - XX weeks</i>	Final and make-up exam. Semester verification and administrative procedure.

STUDENTS' WORKLOAD FOR THE COURSE

Per week	During the semester
3 credits x 40/30 = 5hours + 20 minutes	Teaching and final exam: 5h + 20 min. x 16 = 85h + 20 minutes
Structure:	Necessary preparations before the semester start (administration., enrolment, verification): 5h + 20 min x 2 = 10h + 40min
2 hours of lectures	Total hours: 4 x 30 = 120h
2 hours of exercises	Remedial classes (additional hours) for preparing the make-up exam, including the exam: 24h
1 hour 20 minutes of individual work, including consultations	Total workload structure: 85h + 20 min (lectures) + 10h + 40min + 24h (remedial classes)

Students are required to attend classes, take the test(s) and exam(s).

IMO RECOMMENDED LITERATURE:

Textbooks:

Bibliography:



IMO Model Course 3.17

Teaching aids:

Video:

There is no recommendation of videos regarding this subject.

LITERATURE:

1. Ashley A. (1992) A Handbook of Commercial Correspondence, Oxford University Press, London
2. MarEng, Web-based English Learning Tool, EU Leonardo Project, <http://mareng.utu.fi/>
3. Grice, T. (2012) English for the Maritime Industry: A language coursebook for seafarers
4. IMO Model Course 3.17 (2009) London: International Maritime Organization.
5. Jurlina T., (1999): Maritime English I, Fakultet za pomorstvo, Kotor.
6. Dževerdanović-Pejović M (2014) Maritime English I, textbooks with exercises, Kotor: Faculty of Maritime Studies.
7. van Kluijven, Peter C. (2003) The International Maritime English Programme. Alkmar: Alk&Heijnen Publishers.
8. BBC World Service (Learning English section)
<http://www.bbc.co.uk/worldwide> (General English)
9. Marine Accident Investigation Branch
<http://www.maib.detr.gov.uk>

METHODS OF KNOWLEDGE ASSESSMENT AND MARKING:

1. Homework assignments from 0 to 5 points;
 2. The First Compulsory Test, from 0 to 20 points;
 3. The Second Compulsory Test, from 0 to 20 points;
 4. Attendance, from 0 to 5 points.
 5. Final Exam, 50 points.
- Passing mark is gained if the student collects at least 50 points.

SPECIAL NOTE FOR THE COURSE:

EXPECTED LEARNING OUTCOMES:

Upon successful completion of this course the students will be able to:

1. Read, speak and write on level “B”, in accordance with the common European framework for languages;
2. Apply specialized vocabulary related to ship’s parts and direction, ship’s sides and movement;
3. Make difference between formal and informal style in writing and speech;
4. Ask questions and present information relating to general and professional topics;
5. Fill in job applications and forms relating to the inspection of ship and equipment on board ship.

QUALITY ASSESSMENT METHODS:

Audits carried out by the University, student attendance records, audits of the teaching process carried out by the Faculty, data analysis and levels of satisfaction as per the certified quality system (Quality System Management, ISO 9001: 2015)

DATA PREPARED BY: Milena Dževerdanović-Pejović, Associate professor

NOTE(S):



9. Operation and Maintenance of Ship

SUBJECT TITLE		<i>Operation and Maintenance of Ship</i>		
SUBJECT CODE	SUBJECT STATUS	SEMESTER	NUMBER OF ECTS CREDITS	CLASS LOAD
	Obligatory	IV	4	2L+1E+OP
STUDY PROGRAMMES FOR WHICH IT IS ORGANIZED: Academic Undergraduate Studies on Maritime Faculty, Study Programme Nautical Studies, 3 years (6 Terms), 180 ECTS credits				
ADMISSION REQUIREMENT: No prerequisites for course enrolment and attending				
GOALS OF STUDY: The subject aims to teach students about the ways of proper maintenance of the ship and ship operation, in accordance with the STCW'10 Convention (A-II/1, A-II/2, A-VI), ISM and ISPS Code and IMO model course 7.01. (items 3.1.1.1-6).				
NAME AND SURNAME OF PROFESSOR AND ASSISTANT: PhD Špiro Ivošević – professor, Radmila Gagić - assistant				
TEACHING METHOD: Lectures, practical exercises, learning, performing individual practical exercises, debates, consultations.				
SUBJECT CONTENT:				
<i>Preparatory weeks</i>	Preparation and semester enrolment			
<i>I week</i>	The impact of International regulations on ship maintenance. IMO, ISM Code, Link between IMO and the 2030 Agenda for Sustainable development (SDGs).			
<i>II week</i>	Inclusive and equitable quality education in Maritime business. Maintenance philosophy. Planning and cost of maintenance. AMOS software.			
<i>III week</i>	Built resilient infrastructure and sustainable industrialization and foster innovation. Impact of materials and process of welding onto maintenance.			
<i>IV week</i>	Corrosion concept. Special forms of corrosion. Interaction of biological agents and corrosion.			
<i>V week</i>	Corrosion assessment and corrosion prevention.			
<i>VI week</i>	Scope of survey and maintenance procedures of different elements of ship's structure.			
<i>VII week</i>	The First Compulsory Assignment			
<i>VIII week</i>	Maintenance procedures of different elements of ship's structure.			
<i>IX week</i>	IMO's technical assistance work and the SDGs.			
<i>X week</i>	Maintenance of immersed part of hull. Inspection of hatch covers and ballast tanks.			
<i>XI week</i>	Ships operations. Surveys, inspections and reporting on ship's condition.			
<i>XII week</i>	Ships operations. Surveys, planning and preparing vessel for dry dock.			
<i>XIII week</i>	Promotion peaceful and inclusive society for Sustainable development. Ship's and Port Facility issue. Security procedures, emergency situations, security related documentation and training.			
<i>XIV week</i>	Procedures for maintaining ship's security using into account piracy and armed robbery.			
<i>XV week</i>	The Second Compulsory Assignment			
<i>XVI week</i>	Final exam			
<i>Final week</i>	Verification of the semester			
<i>XVIII-XXI week</i>	Additional and remedial classes and corrective exam term			
STUDENTS' WORKLOAD PER SUBJECT				
Per week		During semester		
4 credits x 40/30 = 5 hours + 20 minutes		Teaching and the Final Exam: 5h + 20 min. x 16 = 85h + 20 minutes		



<p>Structure: 2 hours of lectures 1 hour of exercise 0 hours of practical work 2 hours 20 minutes of individual work, including consultations</p>	<p>Necessary preparation before Term starting (admin., enrolment, verification): 5h + 20 min x 2 = 10h + 40min Total hours for the course: 4 x 30 = 120h Additional hours for preparing correction of final exam, including the taking of the exam: 24h Structure of the students' duties: 85h + 20 min.(lectures) + 10h + 40min + 24h (additional work)</p>
<p>Students are required to attend classes (lectures and exercises) and to take Preliminary Exams and the Final Exam.</p>	
<p>IMO RECOMMENDED LITERATURE:</p> <p>Textbooks:</p> <ol style="list-style-type: none"> 1. Kuo. Chengi., <i>Safety Management and its Maritime Application</i>, The Nautical Institute, London, 2007 (ISBN 1870077830) 2. <i>Guidelines for the Inspection and Maintenance of Double Hull Tanker Structures</i>. OCIMF. London, Witherby. 1995 (ISBN 1-8560-9090-9) <p>Bibliography:</p> <ol style="list-style-type: none"> 3. KEMP, J.F. & YOUNG, P. - <i>Ship construction: Sketches and notes</i>. Oxford, Butterworth-Heinemann, 1991. (ISBN 0-7506-0381-X) 4. NAUTICAL INSTITUTE - <i>Improving ship operational design</i>. London, The Nautical Institute, 1998. 5. <i>Transforming our world: the 2030 Agenda for Sustainable Development</i> https://www.un.org/ga/search/view_doc.asp?symbol=A/RES/70/1&Lang=E 6. <i>The Sustainable Development Goals Report 2020</i>: https://unstats.un.org/sdgs/report/2020/The-Sustainable-Development-Goals-Report-2020.pdf 7. <i>IMO's technical assistance work and the SDGs</i> https://wwwcdn.imo.org/localresources/en/MediaCentre/HotTopics/Documents/TC.1-Circ.69.pdf 8. <i>IMO SDG brochure</i>: https://wwwcdn.imo.org/localresources/en/MediaCentre/HotTopics/Documents/IMO%20SDG%20Brochure.pdf 9. <i>IMO Secretariat's SDG Strategy</i>: https://wwwcdn.imo.org/localresources/en/MediaCentre/Documents/SDG_Strategy%20and%20planning.pdf <p>Teaching aids:</p> <ol style="list-style-type: none"> 10. <i>Instructor Manual (Part D of IMO model course 7.01)</i> 	
<p>LITERATURE:</p> <ol style="list-style-type: none"> 1. Vujović, L., Ivošević, Š. written lectures „Maintenance and operation of the ship“ 2. Vujović, L: „Ship's terotechnology“ 3. Ilić, V.: script. "Maintenance of the ship with elements of logistics“, Bijela 2004. 4. Dulić S.: „ISM Code“ 5. AMOS Aset Management broshure Instruction 	
<p>METHODS OF KNOWLEDGE ASSESSMENT AND MARKING:</p> <p>During the teaching process, the student has the option to obtain total 100 points that are consisted of: First Preliminary Exam (35 points in total); Second Preliminary Exam (35 points); Final Exam that includes the whole Course material and is consisted of written and oral part (30 points). The main condition for doing Preliminary Exams is regularly attended lectures and exercises. The final mark is derivate in the following way: The student has passed an exam if she/he has</p>	



obtained more than 50 points of maximum 100 points and if she/he has regularly attended classes and performed all obligations arise from the continuous following of the lectures.

SPECIAL NOTE FOR THE SUBJECT:

EXPECTED LEARNING OUTCOMES:

Upon successful completion of this subject the student will be able to:

1. Describe national and international regulations as well as classification rules related to subject.
2. Describe and interpret management in accordance ISM code.
3. Demonstrate knowledge related to ship's operations.
4. Argument advantages and disadvantages of different anti-corrosion methods.
5. Describe different methods and procedures for corrosion protection.
6. Describe process of survey and inspection of different segments of the vessel.
7. Define relation between specific operations and planned maintenance.

QUALITY ASSESSMENT METHODS ENSURING THE DESIRED LEARNING OUTCOMES:

Survey carried out by the University, List of student attendance, Teaching process monitored by the Faculty, Analysis of the examination passing rate (Quality Management System in compliance with ISO 9001)

DATA PREPARED BY:

PhD Špiro Ivošević

NOTE:



10. English Language I

SUBJECT TITLE		<i>English Language I</i>		
Subject code	Subject status	SEMESTER	NUMBER OF ECTS CREDITS	Load
	Obligatory	II	5	3P+2V+0L
Study programme: Basic academic studies at the Maritime Faculty, Study Programme Maritime Management and Logistics, 3 years (6 semesters), 180 ECTS credits				
REQUIREMENTS FOR ENROLMENT: There are no special requirements for enrolling this course.				
GOAL OF STUDY: The goal of the subject is that students should learn basic grammar structures, terms and phrases used in everyday life and on actual topics. Topics are modern such as the Internet, social networks, business language and genres like email and job applications. Also, to provide some knowledge of entrepreneurship, which would allow students to be fluent and confident in entrepreneurship related vocabulary and in management and developing business companies. Both linguistic and communicative competence are encouraged.				
Name of the teacher: Dr Sanela Pejaković				
TEACHING METHOD: Lectures are based on communicative approach and optimal inclusion of students into activities during the course. Students do homeworks and presentations.				
SUBJECT CONTENT:				
<i>Preparatory week</i>	Preparation and semester enrolment.			
<i>I week</i>	Course introduction. Unit 1: Trends. Spending and trending. Grammar: Present simple, continuous and perfect. State verbs. Vocabulary relating to friendship. Speaking: social media.			
<i>II week</i>	Unit 2: What a story! Unbelievable situations. Grammar: Narrative forms and describing past events. Verbs had/was/were. Writing a narrative. Speaking: Showing interest.			
<i>III week</i>	Unit 3: Life skills. Challenges. Grammar: Expressing obligation, permission and possibility. Writing an opinion. Speaking: Practical instructions.			
<i>IV week</i>	Unit 4: Space. Living on water, Forest bathing, Natural world. Grammar: Future tense with will and going to for predictions. Writing: Avoiding repetition. Speaking: Making and enquiry.			
<i>V week</i>	Test I			
<i>VI week</i>	Unit 5: Entertainment: Universally popular? Mosquito smasher? Grammar: Present perfect simple and past simple. Linkers and cohesion. Writing a film review. Speaking: Comparing and recommending.			
<i>VII week</i>	Unit 6: In control? Machines in our lives and taking control over weather. Present perfect simple and continuous. Compound nouns and writing a professional email. Speaking: Changing arrangements.			
<i>VIII week</i>	Unit 7: Ambitions. Good prospects. Ask an expert. Grammar: <i>used to</i> and <i>would</i> . Question forms, collocations. Writing an application letter. Speaking: Clarification and making notes.			
<i>VIII week</i>	Unit X: Introduction to entrepreneurship. Writing a Business Plan. Building a New-Venture Team. Specific and basic vocabulary for entrepreneurship and business development and management related topics. Assemble a team and write a business plan for maritime			



	related business idea or business challenge development and employment into the market.
IX week	Unit 8: Choices. World happiness report. What makes a hero? Real and unreal conditionals. Grammar. Prefixes. Speaking: Giving a talk
X week	Unit 9. Describing appearances, paintings, speculating and making deductions. Making comparisons. Grammar: Phrasal verbs. Writing: Taking part in online discussions. Speaking: Making complaints
XI week	Unit 10: Compete and cooperate. Talking about business, competition, sports. Grammar: Use of the article a/an, the or no article; Passive. Speaking: Making recommendations.
XII week	Unit 11: Consequences: Talking about crime, about people's behaviour and social representation. Grammar: Unreal conditional. Speaking: Making decisions vocabulary and phrases. Writing: Making an apology.
XIII week	Test II
XIV week	Unit 12: Influence. Language of advertising and discourse means used in persuading people. Grammar: Dependent prepositions, linking, complex noun phrases. Speaking: Agreeing and disagreeing.
XV week	Preparation for the final exam.
XVI - XX week	Final weeks and make up exam. Verification of marks.

Students load per semester

Per week	During semester
5 credits x 40/30 = 6 hours and 40 minutes Structure: 3 hours lectures 2 hour of exercises 1 hour and 40 minutes of individual work (preparation for laboratory work, tests, homework) and consultations.	Lectures and final exam: (6 hours and 40 minutes) x 16 = 106 hours and 40 minutes Necessary preparations before start of the semester (administration, enrolment, verification): 2 x (6 hours and 40 minutes) = 13 hours and 20 minutes Total load for the subject: 5 x 30 = 150 sati Additional work for preparation in the make up term, including taking additional exam from 0 - 30 hours. Load structure: 106 hours and 40 minutes (lectures) + 13 hours and 20 minutes (preparation) + 30 hours (additional work)

Students are obliged to attend lectures, tests and final exam

IMO recommended literature:

Books:

Blakey, T.N. *English for Maritime Studies. 2nd ed. Prentice Hall College Div, 1988 (ISBN-13: 978-0132813792)*

MarEng, *Web-based English Learning Tool, EU Leonardo Project*

LITERATURE:

1. Roberts Rachael, Heather Buchanan and Emma Pathare Ashley A. (2015) *Navigate: Coursebook with video and Oxford Online Skills*, London: Oxford University Press
2. Dževerdanović-Pejović M., (2012) *Tipovi diskursa i žanrovske karakteristike u pomorskoj komunikaciji, doktorska disertacija*, Beograd: Filološki fakultet.
3. Atkinson et al. (2008) *Business English*. Warszawa: Edgard.
4. Grussendorf, Marion. *English for Logistics*. 2009. London: Oxford University Press.
5. BBC World Service (Learning English section)
<http://www.bbc.co.uk/worldwide> (General English)



<p>6. Entrepreneurship: starting and operating a small business. 2016. Global edition. Pearson education.</p> <p>7. Effectual entrepreneurship / Stuart Read ... [et al.]. 2017. Abingdon: Routledge.</p> <p>8. Technology entrepreneurship : taking innovation to the marketplace / Thomas N. Duening, Robert D. Hisrich, Michael A. Lechter. 2015. London: Academic Press.</p>	
<p>Knowledge assessment and marking:</p> <ol style="list-style-type: none">1. Homework, from 0 to 5 points;2. First Test, from 0 to 20 points;3. Second Test, from 0 to 20 points;4. Attendance, from 0 to 5 points;5. Final Exam, from 0 to 50 points; <p>Passing mark is obtained if the student collects at least 50 points.</p>	
<p>SPECIAL REMARK FOR THE SUBJECT:</p>	
<p>Expected results:</p> <p>After passed exam, the students should read, listen , speak and write on the level "B" (independent user) and use general vocabulary in expressing opinion, emotions, requirements, recommendations.</p>	
<p>QUALITY ASSESSMENT: Control of Education process is carried out by University, Faculty according to the Attendance list and other documents. There is also the Analysis of data and quality measurement in accordance with the certified quality system ISO 9001:2015).</p>	
<p>DATA PREPARED BY:</p>	<p>Prof.dr Milena Dževerdanović-Pejović</p>
<p>NOTE:</p>	



11. Innovation in Tourism

SUBJECT TITLE	<i>INNOVATIONS IN TOURISM</i>			
Course code	Course status	Semester	ECTS credits	Fond
	Obligatory	3	7	3+2
Study program: Academic bachelor study programme Tourism and Hotel Management. The study programme lasts 6 semesters, 180 credits)				
Prerequisites: No				
Aims: To acquire basic knowledge and skills about innovation types and ideas				
Learning outcomes: Students will be able to: define basic terms related to innovations, identify roles and understand the process of innovation development, identify different innovation types, understand the role of innovations as a competitive advantage.				
Lecturer/Teaching assistant: Sanja Peković				
Method: lectures, exercises, case study, teamwork, consultations, homework, tests and final exam.				
PLAN:				
I week	Introduction to innovation management.			
II week	The basic concept of innovations/ Innovation relevance			
III week	Innovations typology/ Innovation classification			
IV week	Eco innovations			
V week	I test			
VI week	Service innovations/Management peculiarities of innovative activities in the service sector			
VII week	Idea generation and creativity			
VIII week	Innovations strategy			
IX week	Organization of innovations			
X week	Adaptability of innovations			
XI week	II test			



XII week	Innovation projects/Project cycle of innovation/ Innovation and investment projects
XIII week	Innovation risk
XIV week	Innovation performance in EU
XV week	ICT and service innovations
WORKLOAD	
Weekly: 7 credits*40/30 = 9,4h Structure: lectures 2,3h; excercises 1,5h; independent work & consultations 5,6h.	Semesterly: Lectures and final exam: 9,33h*16=149,3h Preparations: 2*9,33h=18,7h Total workload: 7credits*30=210h Additional work: 0-42h Structure: 149,3h+18,7h+42h = 210h
Literature:	
<ol style="list-style-type: none"> 1. Sanja Marinković, Menadžment inovacija u uslugama, 2012; 2. Robert D. Atkinson, Stephen J. Ezell, Ekonomika inovacija, Utrka za globalnu prednost, Mate, 2014; 3. Biljana Stošić, Menadžment inovacija: Inovacioni projekti, 2013. 4. Dawson P., Andriopoulos C. Managing Change, Creativity and innovation (third edition), SAGE Publications Ltd, 2017; 5. Trott, P. Innovation management and new product development. Harlow : FT/Prentice Hall, 2012. 6. Goffin, K., Mitchell, R. Innovation Management: Effective strategy and implementation 3rd ed. Red Globe Press, 2017. 7. 	
Examination methods: Tests (15points); Presentations & activity & teamwork (20 points); Final exam (50 points).	
Special remarks: Students are obligatory to take the lectures.	
Lecturer: Sanja Peković	
Comment: Additional info available at: www.ucg.ac.me	



12. Entrepreneurship in Tourism

SUBJECT TITLE		<i>ENTREPRENEURSHIP IN TOURISM</i>		
Course code	Course status	Semester	ECTS credits	Fond
	Obligatory	1234	7	3+2
Study program: Academic master study program xxxxxxxx (4 semesters, 120 credits)				
Prerequisites: No				
Aims: To acquire basic knowledge and skills about entrepreneurship.				
Learning outcomes: Students will be able to: define basic terms related to entrepreneurship, identify roles and understand the process of entrepreneurship, identify different entrepreneurial types, understand the significance of entrepreneurship for tourism.				
Lecturer/Teaching assistant: Ilija Moric				
Method: lectures, exercises, consultations, homework, tests, and final exam.				
PLAN:				
I week	Introduction			
II week	The entrepreneurial perspective			
III week	Creativity and business idea			
IV week	Identifying opportunities			
V week	I test			
VI week	The business plan			
VII week	The financial plan			
VIII week	Sources of capital			
IX week	Strategies for growth			
X week	II test			
XI week	Implications of growth for the firm			
XII week	Implications of firm growth for the entrepreneur			
XIII week	Accessing resources for growth from external sources			



XIV week	Succession planning
XV week	Strategies for harvesting and ending the business venture
WORKLOAD	
Weekly: 7 credits*40/30 = 9,4h Structure: lectures 2,3h; exercises 1,5h; independent work & consultations 5,6h.	Semesterly: Lectures and final exam: 9,33h*16=149,3h Preparations: 2*9,33h=18,7h Total workload: 7credits*30=210h Additional work: 0-42h Structure: 149,3h+18,7h+42h = 210h
Literature: 1) Lee-Ross, D., Lashley, C. (2009), Entrepreneurship & Small Business Management in the Hospitality Industry, Routledge, Abingdon; 2) Hisrich, R.H., Peters, M.P. and Shepherd, D.A. (2011), Entrepreneurship, McGraw-Hill, New York; 3) Thomas, R., (Ed.), (2004), Small Firms in Tourism: International Perspectives, Elsevier, Oxford; 4) Ateljevic, J. i Page, S. J., (Ed.), (2009), Tourism and Entrepreneurship: International Perspectives, Butterworth-Heinemann, Oxford; 5) Paunović, B. (2014) Preduzetništvo i upravljanje malim preduzećima, CID, Beograd.	
Examination methods: Tests (2*15points); Presentations&activity (20 points); Final exam (50 points).	
Special remarks: Students are obligatory to take the lectures.	
Lecturer: Ilija Moric	
Comment: Additional info available at: www.ucg.ac.me	