

Faculty of Maritime Studies / MARITIME SCIENCES / RISK MANAGEMENT IN SEAFARING

Course:	RISK MANAGEMENT IN SEAFARING			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
9150				
Programs	MARITIME SCIENCES			
Prerequisites	No prerequisites for course enrolment and attending			
Aims	To introduce students to the basic elements of risk in shipping.			
Learning outcomes	It is expected that after passing the exam Risk Management in shipping the students will be able to: - Define the concept of hazard and risk in shipping. - Describe the mathematical model of Risk Theory. - Analyze the specific risks in shipping. - Describe the basic methods of risk assessment, to compare qualitative and quantitative risk assessment in shipping. - Analyze possible ways of reducing the risk			
Lecturer / Teaching assistant	Prof. dr Romeo Meštrović/ Doc. dr Špiro Ivošević/Radmila Gagić - saradnik			
Methodology	Lectures, computational exercises, consultations, homework, compulsory assignments.			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Introductory considerations.			
I week exercises	Introductory considerations.			
II week lectures	Hazard and its definition (types of hazards)			
II week exercises	Hazard diferents depending of ships type.			
III week lectures	Maritime disasters, losses and adverse events.			
III week exercises	Hazard diferents depending of ships type.			
IV week lectures	The risk of maritime pollution.			
IV week exercises	Examples of ships potution type.			
V week lectures	Human factor and error.			
V week exercises	Humans mistakes on different type of ships.			
VI week lectures	The First Compulsory Assignment.			
VI week exercises	The First Compulsory Assignment.			
VII week lectures	Analysis of First Compulsory Assignment.			
VII week exercises	Analysis of First Compulsory Assignment.			
VIII week lectures	Basic methods of risk analysis.			
VIII week exercises	Risk analyzes examples for different ships type operations.			
IX week lectures	Qualitative risk assessment.			
IX week exercises	Qualitative risk assessment examples for different ships type operations.			
X week lectures	Quantitative risk assessment.			
X week exercises	Quantitative risk assessment examples for different ships type operations.			
XI week lectures	Risk assessment results.			
XI week exercises	Risk assessment examples for different ships type operations.			
XII week lectures	The Second Compulsory Assignment.			
XII week exercises	The Second Compulsory Assignment.			
XIII week lectures	Risk Management.			
XIII week exercises	Examples of Risk Management for different ships type.			
XIV week lectures	Methods of reducing, control, avoidance, transfer, retention and mitigation of risk.			
XIV week exercises	Examples of ships risk reductions.			
XV week lectures	Standardization in the field of risk management.			

XV week exercises		Different risk management standard in shipping.				
Student workload		Teaching and the Final Exam: (5h 20 minutes) x 16 = 85h 20 minutes Necessary preparation before Term starting (administration, enrolment, verification): 2 x (5h 20 min) = 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: from 0h to 24h Structure of the students' duties: 85h 20 min (lectures) + 10h 40 min (preparation) + 24h (additional work)				
Per week		Per semester				
credits x 40/30=0 hours and 0 minuts 0 sat(a) theoretical classes 0 sat(a) practical classes 0 excercises 0 hour(s) i 0 minuts of independent work, including consultations		Classes and final exam: 0 hour(s) i 0 minuts x 16 =0 hour(s) i 0 minuts Necessary preparation before the beginning of the semester (administration, registration, certification): 0 hour(s) i 0 minuts x 2 =0 hour(s) i 0 minuts Total workload for the subject: x 30=0 hour(s) Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) 0 hour(s) i 0 minuts Workload structure: 0 hour(s) i 0 minuts (cources), 0 hour(s) i 0 minuts (preparation), 0 hour(s) i 0 minuts (additional work)				
Student obligations		Students are required to attend classes, take both compulsory assignments and final exam.				
Consultations		Monday and Wednesday from 11 to 13.				
Literature		1. Prof. dr R. Meštović, Doc. dr Š. Ivošević, Upravljanje rizikom u pomorstvu, Pisana predavanja. 2. S. Kristiansen, Maritime Transportation: Safety Management and Risk Analysis, 1st ed. Burlington, Routledge, 2005 (ISBN 07506-59998).				
Examination methods		1. The attendance carries from 0 to 10 points. 2. The first compulsory assignments carries from 0 to 30 points. 3. The second compulsory assignments carries from 0 to 30 points. 4. Final Exam carries from 0 to 30 points. The student passed the e				
Special remarks						
Comment						
Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points