

**Faculty of Maritime Studies / MARINE ENGINEERING / RISK MANAGEMENT IN SEAFARING**

<b>Course:</b>	RISK MANAGEMENT IN SEAFARING			
<b>Course ID</b>	<b>Course status</b>	<b>Semester</b>	<b>ECTS credits</b>	<b>Lessons</b> (Lessons+Exercises+Laboratory)
9150	Mandatory	6	4	2+0+0
<b>Programs</b>	MARINE ENGINEERING			
<b>Prerequisites</b>	No prerequisites for course enrolment and attending			
<b>Aims</b>	To introduce students to the basic elements of risk in shipping.			
<b>Learning outcomes</b>	: 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 in shipping			
<b>Lecturer / Teaching assistant</b>	Prof. dr Romeo Meštrović/ Doc. dr Špiro Ivošević			
<b>Methodology</b>	Predavanja, računarske vježbe, konsultacije, domaći zadaci, kolokvijumi.			
<b>Plan and program of work</b>				
Preparing week	Preparation and registration of the semester			
I week lectures	Introductory considerations.			
I week exercises				
II week lectures	Hazard and its definition (types of hazards)			
II week exercises				
III week lectures	Maritime disasters, losses and adverse events.			
III week exercises				
IV week lectures	The risk of maritime pollution.			
IV week exercises				
V week lectures	Human factor and error.			
V week exercises				
VI week lectures	The First Compulsory Assignment.			
VI week exercises				
VII week lectures	Analysis of First Compulsory Assignment.			
VII week exercises				
VIII week lectures	Basic methods of risk analysis.			
VIII week exercises				
IX week lectures	Qualitative risk assessment.			
IX week exercises				
X week lectures	Quantitative risk assessment.			
X week exercises				
XI week lectures	Risk assessment results.			
XI week exercises				
XII week lectures	The Second Compulsory Assignment.			
XII week exercises				
XIII week lectures	Risk Management.			
XIII week exercises				
XIV week lectures	Methods of reducing, control, avoidance, transfer, retention and mitigation of risk.			
XIV week exercises				

XV week lectures		Standardization in the field of risk management.				
XV week exercises						
<b>Student workload</b>		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)				
<b>Per week</b>		<b>Per semester</b>				
<b>4 credits x 40/30=5 hours and 20 minuts</b> 2 sat(a) theoretical classes 0 sat(a) practical classes 0 excercises <b>3 hour(s) i 20 minuts</b> of independent work, including consultations		Classes and final exam: <b>5 hour(s) i 20 minuts x 16 =85 hour(s) i 20 minuts</b> Necessary preparation before the beginning of the semester (administration, registration, certification): <b>5 hour(s) i 20 minuts x 2 =10 hour(s) i 40 minuts</b> Total workload for the subject: <b>4 x 30=120 hour(s)</b> 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) <b>24 hour(s) i 0 minuts</b> Workload structure: <b>85 hour(s) i 20 minuts (cources), 10 hour(s) i 40 minuts (preparation), 24 hour(s) i 0 minuts (additional work)</b>				
<b>Student obligations</b>		Students are required to attend classes, take both compulsory assignments and final exam.				
<b>Consultations</b>		Monday and Wednesday from 11 to 13.				
<b>Literature</b>		1. Prof. dr R. Meštrović, 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).				
<b>Examination methods</b>		1. The attendance carries from 0 to 10 points. 2. The first compulsory assignment carries from 0 to 30 points. 3. The second compulsory assignment carries from 0 to 30 points. 4. Final Exam carries from 0 to 30 points. The student passed the exa				
<b>Special remarks</b>						
<b>Comment</b>						
<b>Grade:</b>	F	E	D	C	B	A
<b>Number of points</b>	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