

Course title	Code No.
Maritime Safety and Risk Management	

Semester	Course status (mandatory or optional)
2	Mandatory

Lecturer(s)	E-Mail
Peter Vidmar	Peter.Vidmar@fpp.uni-lj.si

Contact hours per week	Credit Points	Workload (hours per semester)		
			Presence	Self-study
5	6	Lecture	45	30
		Seminar		
		Practice	15	30
		Laboratory	15	15
		Other		

Media (equipment)	Teaching aids (literature, group work ...)
Ship simulator, computer, digital projector, whiteboard, network	Presentations (lectures), examples, exercises

Enrolment requirements and entry competences required for the course
None.

Conditions for permission to take the exam
Completed exercises.

Assessment methods and criteria
Written/oral exam.

Learning outcomes at the programme level to which the course contributes
<ul style="list-style-type: none"> ▪ Evaluate the usability and application of risk management models in maritime transport.

Learning Outcomes

Professional competence	Key skills
<ul style="list-style-type: none"> ▪ Choose the data and procedures related to maritime safety. ▪ Resolve complex processes in transport planning by including safety and risk management elements. 	<ul style="list-style-type: none"> ▪ Mathematical competences in science and technology ▪ Digital competences ▪ Proficiency in English language ▪ Learning to learn
Applicability in other courses/programs	

Content
<ul style="list-style-type: none"> • Fundamentals of safety in maritime transport: technical, technological, economic, legal, sociological, cultural, medical and other traffic safety assumptions. • Theoretical elements of maritime transport safety • Assessment of threats and risk analysis in maritime transport • Protection and preventive actions • Hazard identification and risk assessment methods • Definition of risk reduction measures • Efficiency of risk mitigation measures • The effectiveness of risk mitigation measures associated with the likelihood of emergencies • Evaluation of risk reduction measures in response to response time • Models supporting decision-making

Literature
<ol style="list-style-type: none"> 1. Jingbo Yin, Quantitative Risk Assessment for Maritime Safety Management, LAP LAMBERT Academic Publishing (December 13, 2013), ISBN-10: 3659458864

2. Leonard Evans, Traffic Safety, Science Servnig Society, 2004.
3. Norman Fenton and Martin Neil, Risk Assessment and Decision Analysis with Bayesian Networks, CRC Press (September 24, 2012).
4. Helle A. Oltedal, Managing Maritime Safety, Routledge; 1 edition (January 31, 2018), ISBN-10: 1138559229

Amendment Log			
Version No.:	Date:	Changes:	Name: