

MARITIME STUDIES STUDIES PROGRAMME INFORMATION

Version (valid from): 2024-1 (01.10.2024)

Basic information

Programme name	Maritime Studies
Programme features	
Type	Master's degree
Rate	second stage
CLASS-SRV	Master's degree (second Bologna cycle)/Master's degree (second Bologna cycle) (17003)
ISCED	• transport services (84)
CLASS-P	• Maritime and river transport (8404)
CLASS-P-16	• Transport (1041)
Frascati	• Technical sciences (2)
Raven SOK	Raven SOK 8
Raven EOC	Raven EOK 7
Raven EOVK	Second stage
Areas/modules/targets	• No articulation (study programme)
Members of the University of Ljubljana	Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenia - Operator
Duration (years)	2
Number of KT per year	60
Study delivery methods	full-time, part-time

The main objectives of the programme

The fundamental objectives of the programme are complex, encompassing the statutory objectives of the Master's degree, the research and professional elements, the characteristics of modern and environmentally friendly maritime affairs, and the internationally recognised, subject-specific and study-level objectives.

The main objectives of the study include:

- Deepening knowledge in specific subject areas, appropriately selected or related topics that are integrated into individual modules;
- training to independently search for new sources of knowledge in both scientific and professional fields;
- training in the use of state-of-the-art scientific research methods, including the latest analytical procedures, in new and changing contexts;
- training to take responsibility for managing the most complex systems that encompass, define or are closely related to specific maritime domains;
- developing critical and creative views and reflections on contemporary issues of maritime development in the processes of globalisation and specialisation of individual maritime fields, in the context of modern trends in maritime technologies and processes, maritime infrastructure exploitation and maritime transport safety, taking into account the protection of the marine environment;
- developing the qualities of independent and responsible leadership and teamwork.

To this must be added the development of responsibility towards the profession; responsibility towards the safety of maritime transport, responsibility towards the safe operation of maritime assets and maritime infrastructure, responsibility towards the environment and the development of co-responsibility towards the balanced development of our country and the preservation of our maritime and maritime heritage in the changed circumstances of a shared multicultural Europe.

The knowledge acquired at this level enables students to continue their studies at the doctoral level or to find employment in research and development, maritime service activities, transport, traffic, marine sciences and related activities, public administration, economic and interest associations, etc.

General competences (learning outcomes)

The general competences of the programme refer to the graduate's competence after the completion of the studies. The general competences of the Postgraduate Maritime Studies programme include:

- general knowledge of maritime research methods, procedures and processes;
- Critical appraisal of theoretical findings applied in practice;
- Critically evaluating the applicability of new scientific methods and their results;
- the ability to analyse, synthesise and predict the implications of problem-solving, developing critical and self-critical judgement;
- coherent mastery of core maritime knowledge, the ability to integrate knowledge from different disciplines and furthermore to apply it in the real world;
- independence in research and professional work;
- upgrading and developing new communication skills, especially in the field of communication in the international maritime environment;
- commitment to the ethics of the profession;
- working together and in a team (both locally and internationally);
- integrating different organisational skills to support successful business decisions;
- analysing, evaluating and documenting different technical and technological solutions;
- planning, implementing and controlling technical and technological decisions.

Subject-specific competences (learning outcomes)

Upon completion of the Master's programme, graduates will have acquired theoretical and practical knowledge to the extent that they will be able to achieve the specific competences listed below, while being prepared for the possibility of further enrolment in doctoral studies.

During their studies, students will acquire subject-specific competences, including in particular the ability to solve maritime problems analytically, critically and independently, the ability to manage work and to integrate knowledge from different maritime fields. Graduates will thus be able to work responsibly in the maritime and related industries, where they will be able to comply with all the legal and ethical criteria required of such personnel.

Conditions for enrolment

The Master's degree programme in **Maritime Studies** is open to students who have successfully completed:

1. a programme of studies of at least first cycle attested by at least 180 credits in the appropriate professional field of **'Transport (transport) services'**: Road Transport, Rail Transport, Air Transport, Maritime Transport, Postal Transport, or in the professional field of **'Engineering'**: Mechanical Engineering, or an equivalent programme of studies obtained in accordance with the existing regulations in the Republic of Slovenia or abroad.
2. a programme of studies of at least first cycle attested by at least 180 credits in other professional fields or an equivalent programme of studies obtained in accordance with the existing regulations in the Republic of Slovenia or abroad, **provided that the student has completed the study requirements prior to enrolment** which are essential for continuing his/her studies. These requirements shall be determined by the Study Affairs Committee of the UL FPP and shall range from 10 to a maximum of 60 credits."

Selection criteria in the event of an enrolment limitation

1. For candidates referred to in point 1 of the entry requirements, the first cycle of studies (average grade, final examination grade) is taken into account. If the candidate does not have a final examination grade, only the average grade will be taken into account,
2. For candidates referred to in point 2 of the entry requirements, the pass mark in the first cycle (75%) and the pass mark in the additional study requirements (25%) are taken into account. The points are calculated by rounding the average marks in the studies or additional study requirements to one decimal place and multiplying by 10 to give a maximum of 100 points.

Criteria for the recognition of knowledge and skills acquired before entry to the programme

Students may be awarded credit for knowledge which corresponds in content to the subjects taught in the Maritime Studies programme and which has been acquired in various forms of education. The recognition of knowledge

and skills acquired prior to enrolment shall be decided by the Student Affairs Committee of the UL FPP, on the basis of a written application from the student, attached certificates and other documents proving the successful acquisition of knowledge and the content of such knowledge.

Assessment methods

The methods of assessment are in accordance with the [UL Statutes](#) and specified in the curricula.

Conditions for progression through the programme

A student may enrol in a higher year if he or she has completed the curriculum requirements of at least 45 credits by the end of the academic year.

Exceptionally, a student may enrol in a higher year even if he/she has not fulfilled all the requirements set by the study programme for enrolment in a higher year, if he/she has justified reasons for this as laid down in the UL Statutes.

Under the conditions set out in the preceding paragraph, a student may enrol in a higher year of study if he/she accumulates at least 40 ECTS credits. Exceptional enrolment shall be decided by the UL FPP Committee for Academic Affairs. A student who demonstrates above-average academic performance in his/her studies may be granted accelerated progression.

A student who has not completed all the requirements set by the study programme for entry to the upper year may repeat the year in accordance with the law if he/she has achieved at least 30 ECTS credits.

Conditions for switching between programmes

Transfers are possible between study programmes:

1. which provide comparable competences or learning outcomes at the end of the course;
2. of which at least half of the European Credit Transfer System (ECTS) requirements from the first programme of study relating to the compulsory subjects of the second programme of study may be recognised under the criteria for the recognition of knowledge and skills acquired prior to enrolment in the programme.

Other conditions for transfer between study programmes:

1. if the conditions for enrolment in a second-level postgraduate Master's degree programme in Maritime Studies are fulfilled,
2. if a candidate coming from another programme fulfils the conditions set out in the programme's promotion requirements. In this case, the pass marks of the comparable curriculum subjects recognised as passed examinations for the candidate coming from the other programme by the FPP Student Affairs Committee shall be taken into account.

Conditions for completing your studies

To complete the Master's degree, students must complete all the requirements for all the courses they have enrolled in and produce and defend a Master's thesis.

Conditions for completion of the individual parts of the programme, if contained in the programme

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Professional, scientific or artistic title (English title and abbreviation)

- Master of Science (M.Sc.)

STUDY PROGRAMME CURRICULUM MARITIME STUDIES

2024/2025

Name of study programme	Maritime Studies
Programme characteristics	
Type	master's
Cycle	master
University of Ljubljana members	Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenija

Year 1

1st semester

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study				
1.	0189595	Selected Topics in Advanced Mathematics	Aleksej Turnšek	60	0	30	0	30	120	240	8	no
2.	0189596	Coastal and Near Coastal Engineering	Aleksander Grm, Peter Vidmar	45	0	45	0	15	105	210	7	no
3.	0189597	Methodology of Planning Maritime And Transport Systems	Elen Twrdy	45	45	0	0	15	105	210	7	no
4.	0189598	Mathematical Modelling And Simulations	Milan Batista	60	0	30	0	30	120	240	8	no
Total				210	45	105	0	90	450	900	30	

2nd semester

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study				
1.	0189599	Energy in Maritime Transport	Tomaž Katrašnik	55	5	30	0	30	120	240	8	no
2.	0189600	Integrated Navigation Systems	Boštjan Batagelj	45	15	30	0	30	120	240	8	no

3.	0189601	Marine Pollution	Oliver Bajt	45	15	30	0	15	105	210	7	no
4.	0189605	Compulsory elective course (CEC)		45	15	30	0	15	105	210	7	yes
Total				190	50	120	0	90	450	900	30	

Year 1, Obvezna izbirna predmeta (OIP)/Compulsory elective courses

2nd semester

				Contact hours								
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Elective
1.	0189602	Maritime Logistics	Elen Twrdy	45	30	15	0	15	105	210	7	yes
2.	0189603	Risk Modeling, Assessment and Management	Peter Vidmar	45	15	30	0	15	105	210	7	yes
Total				90	45	45	0	30	210	420	14	

Year 2

1st semester

				Contact hours								
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Elective
1.	0189604	Measurements in Maritime	Franc Dimc	45	15	15	0	15	90	180	6	no
2.	0189606	Ship Hidromechanics	Aleksander Grm	45	15	15	0	15	90	180	6	no
3.	0189607	Optional subject		45	15	15	0	15	90	180	6	yes
4.	0189608	Optional subject		45	15	15	0	15	90	180	6	yes
5.	0189609	Project Work of Maritime Technology	Aleksander Grm, Aleksej Turnšek, Andrej Androjna, Blaž Luin, Bojan Beškovnik, Boštjan Batagelj, Damjana Jerman, Danijela Tuljak Suban, Elen Twrdy, Evelin Krmac, Franc Dimc, Maja Stojaković, Marina Zanne, Marko Pavliha, Marko Perkovič, Matija Svetina,	15	0	0	0	75	90	180	6	no

		Milan Batista, Oliver Bajt, Patricija Bajec, Patrick Vlačić, Peter Vidmar, Robert Muha, Sebastjan Škerlič, Stojan Petelin, Tanja Brcko Satler, Violeta Jurković										
	Total		195	60	60	0	135	450	900	30		

2nd semester

				Contact hours								
University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Elective	
1.	0189611	Master thesis	Aleksander Grm, Aleksej Turnšek, Andrej Androjna, Blaž Luin, Bojan Beškovnik, Boštjan Batagelj, Damjana Jerman, Danijela Tuljak Suban, Elen Twrdy, Evelin Krmac, Franc Dimc, Maja Stojaković, Marina Zanne, Marko Pavliha, Marko Perkovič, Matija Svetina, Milan Batista, Oliver Bajt, Patricija Bajec, Patrick Vlačić, Peter Vidmar, Robert Muha, Sebastjan Škerlič, Stojan Petelin, Tanja Brcko Satler, Violeta Jurković	15	0	0	0	435	450	900	30	no
	Total		15	0	0	0	435	450	900	30		

Year 2, Izbirni predmeti/Elective courses

1st semester

				Contact hours								
University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Elective	
1.	0189610	Chemistry and Maritime	Oliver Bajt	45	15	15	0	15	90	180	6	yes
2.	0189612	Maritime Legal Regulation	Marko Pavliha	45	30	0	0	15	90	180	6	yes
3.	0189613	Integrated Propulsion Systems	Peter Vidmar	45	15	15	0	15	90	180	6	yes

4.	0189614	Oceanography and Meteorology	Vlado Malačič	45	15	15	0	15	90	180	6	yes
5.	0189615	Maritime Technical Inspection	Peter Vidmar	45	15	15	0	15	90	180	6	yes
6.	0189616	Control Of Vessels' Dynamics	Franc Dimc	45	15	15	0	15	90	180	6	yes
7.	0189617	Maritime Computational Mechanics	Aleksander Grm	45	0	30	0	15	90	180	6	yes
8.	0189618	Autonomous Vessels	Primož Potočnik	45	15	15	0	15	90	180	6	yes
Total				360	120	120	0	120	720	1440	48	