

UNIVERSITY OF RIJEKA - FACULTY OF MARITIME STUDIES

**UNDERGRADUATE AND GRADUATE
ACADEMIC PROGRAM**

NAUTICAL STUDIES AND MARITIME TRANSPORT TECHNOLOGY

RIJEKA, 2014

MAIN DATA AND ORGANIZATION OF THE FACULTY

MANAGEMENT OF THE FACULTY

Dean:

Professor Serdo Kos, Ph.D., FRIN

Vice-Dean for Academic Affairs

Assistant professor Igor Rudan, Ph.D.

Vice-Dean for Business Relations and Finance:

Assistant professor, Alen Jugović Ph.D.

Vice-Dean for Vocational Training and Development:

Assistant professor Dragan Martinović, Ph.D.

Vice-Dean for Scientific and Research Activities:

Associate professor Boris Sviličić, Ph.D.

Secretary:

Željko Ševerdija, L.L.B.

INTERNAL ORGANIZATION

Department of Marine Engineering and Power Supply Systems

- Headed by: Professor Ivica Šegulja, Ph.D.

Department of Marine Electronic Engineering, Automatic Theory and Information Technology

- Headed by: Associated professor Nikola Tomac, Ph.D.

Department of Logistics and Management in Maritime Affairs and Transport

- Headed by: Professor Dragan Čišić, Ph.D.

Department of Nautical Sciences and Maritime Transport Technology

- Headed by: Associated professor Robert Mohović, Ph.D.

Department of Technology and Organization in Maritime Affairs and Transport

- Headed by: Professor Čedomir Dundović, Ph.D.

Department of Social Sciences

- Headed by: Assistant professor Biserka Rukavina, Ph.D.

Department of Natural Sciences

- Headed by: Assistant professor Biserka Draščić Ban

Department of Foreign Languages

- Headed by: Jadranka Valentić, M.A.

ADMINISTRATIVE STAFF

Dean's Office Secretary:

Blaženka Konjhodžić

Head of the Seafarers Vocational Training Centre and Public Relations Officer:

Marija Šimić Hlača, MSc. (in maritime transport technology)

Student Records Office:

- Headed by: **Mirjana Petelin, MSc.** (educationist and informatician)
 - Administrative Staff: **Jadranka Gumbarević, Željka Vidmar, Vanja Nakičenović**
-

Informatics and Computer Centre:

- Headed by: **Ezio Hafner**
 - Computer Officers: **Slobodan Popić, Marko Bratic**
-

Library:

- Headed by: **Dolores Markotić, MSc.**, librarian
 - Assistant librarian: **Tamara Gržinčić**
-

Course Materials Bookshop:

- Publishing Associate: **Vesna Vranić Kauzlarić, MSc.** (in maritime technology)
-

Accounting Department:

- Headed by: **Spomenka Georgijević, MSc. (Econ.)**
-

Personnel and General Administrative Service Department:

- Headed by: **Tatjana Domazet**
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CONTACTS:

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Dean's Office:

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(extension 142, 148,149,154)

Office hours: from 11 a.m. to 1 p.m.
on working days

Library:

Room 332

Tel.No.: +385 51 21 46 05

+ 385 51 33 84 11 (extension 162, 163)

Working hours: Monday, Tuesday, Wednesday, Thursday from 9 a.m. to 7 p.m.

Friday from 9 a.m. to 1 p.m.

Computers available: Monday, Tuesday, Wednesday, Thursday from 9 a.m. to 7 p.m.

Friday from 9 a.m. to 1 p.m.

For detailed information about the rules of lending books please contact the library.

E-mail: bib@pfri.hr

Course Materials Bookshop:

- located in the courtyard of the Faculty.

Working hours: from 10 a.m. to 2 p.m.
on working days

Exam registration and withdrawal forms and books can be bought here.

E-mail: vyranic@pfri.hr

Students' Union, Pom-f-ri, Plima:

Location: a little house in the courtyard of the Faculty, near the gym.

Tel. No.: +385 51 33 84 11

E-mail: sz-plima@net.hr

For any questions or problems concerning your study, please contact your year study programme representative.

Consultations with students are held in the „Plima“ premises on Monday from 10 to 12 a.m.

A HISTORY OF THE FACULTY OF MARITIME STUDIES

The Rijeka Faculty of Maritime Studies can trace its origins back to the year 1866 when, in the premises of the today's City Hospital, the Austro-Hungarian Naval Academy was founded and which flourished in its activities till 1914. In 1889 it became the Imperial and Royal Naval Academy (Marine Academie) .

At the outbreak of the First World War, the Academy was closed and moved from Rijeka to Vienna. It is important to notice that some famous Croats, Admiral Maximilian Njegovan (1858-1930) and the noble Admiral Janko Vuković-Podkapelski (1871-1918), a distinguished officer in the Austro-Hungarian navy appointed as the first commander-in-chief of the navy of the State of the Slovenes, Croats and Serbs, graduated from the Academy.

The education at the Academy included a four-year study programme attended by all those coming from across the Austro-Ungarian Monarchy and holding an A-level secondary school diploma. The Academy ceased its activities in 1914 when it turned into a field hospital functioning as such till 1918, when, after the fall of the Austro-Ungarian Monarchy, it was transformed into the main City Hospital.

This break into the field of maritime higher education lasted till 1949, when, on 4th April 1949, the Rijeka Merchant Marine College was founded by the decree issued by the Government of the Federal People's Republic of Yugoslavia. In the years to follow, the Rijeka Merchant Marine College developed into the Faculty of Maritime Studies and is still today one of the world's leading maritime education and training institutions.

Since the very beginning of its educational activities, the Rijeka Merchant Marine College has experienced several stages in its development:

- In 1978, the Merchant Marine College was transformed into the Faculty of Maritime Studies and Transportation. Its activities continued until 1998, when two independent educational institutions were established – the Rijeka College of Maritime Studies and the University Department of Maritime Studies of the University of Rijeka.
- In the course of the year 2001, the Ministry of Science and Technology of the Republic of Croatia brought a decision on the merge of the Department of Maritime Studies of the University of Rijeka and the Rijeka College of Maritime Studies into the Faculty of Maritime Studies of the University of Rijeka, the one and only maritime education and training institution that has been acting as such since then.

STUDY PROGRAM

The study programme faces its application in different branches of maritime economy and in different scientific fields, thus representing the basis for successful entrepreneurship activities and for that of competent public and civil authorities as well. After graduating from the Faculty, the students are prepared for work as deck officers on board merchant marine ships, with an open possibility to reach the highest possible vocation of a master mariner. They can also be employed in institutions the activities of which are closely connected with maritime affairs, as well as in shipping, transport and business companies responsible for the realization and management of transport services. The undergraduate study programme is grounded in the knowledge of technique and technology in shipping, maritime economy, law and ship operational management, enabling the graduates to find work in many institutions of their proper field as well as in different areas closely associated with maritime practice (harbourmaster's offices, competent ministry of maritime affairs, ports, port authorities, shipping companies, shipping and forwarding agencies, customs authorities, transport companies, etc). The first two-year programmes of undergraduate study are in accordance with the STCW 78/95 Convention. Upon completion of the undergraduate cycles and upon a documentary evidence of, students are eligible for taking exams leading to a certificate of competency to perform the duties of a Chief Mate and Master Mariner of a ship of 3.000 gross tonnage or morein.

First year students enrolled at the *undergraduate study of Nautical Studies and Maritime Transport Technology* register for the following courses in the academic year 2013/2014:

Winter semester (I)

No.	Course holder	Compulsory course	Lecture	Practical work sessions	ECTS credits
1	Božana Knežević	Maritime English 1	2	2	5
2	Biserka Draščić Ban Željko Glavan	Mathematics 1	2	2	5
3	Goran Vukelić	Engineering mechanics	2	1	4
4	Mato Tudor	Applied computer science	2	2	4
5	Renato Ivče	Cargoes carried by sea	2	0	3
6	Damir Zec Vlado Frančić	Sea and marine environment protection	2	0	3
7	Pavao Komadina	Ship design and construction 1	2	2	5
8	Albino Redžić	Physical training 1	0	2	1

Summer semester (II)

No.	Course holder	Compulsory course	Lecture	Practical work sessions	ECTS credits
1	Božana Knežević	Maritime English 2	2	2	5
2	Biserka Draščić Ban Željko Glavan	Mathematics 2	2	2	5
3	Pavao Komadina	Ship design and construction 2	2	2	6
4	Axel Luttenberger Igor Vio	Maritime public law	2	0	3
5	Predrag Kralj	Ship power plant systems	2	1	4
6	Blanka Kesić	Shipping economics	2	0	2
7	Robert Mohović Maja Telišman Prtenjak	Marine meteorology and oceanography	3	1	4

8	Albino Redžić	Physical training 2	0	2	1
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Second year students enrolled at the *undergraduate study of Nautical Studies and Maritime Transport Technology* register for the following courses in the academic year 2013/2014:

Winter semester (III)

No.	Course holder	Compulsory course	Lectures	Practical work sessions	ECTS credits
1	Boris Pritchard	Maritime English 3	1	2	4
2	Serđo Kos	Coastal navigation	3	3	5
3	Serđo Kos	Electronic navigation	2	2	4
4	Robert Mohović	Ship handling	2	2	5
5	Robert Mohović	Cargo handling 1	2	2	4
6	Mirano Hess	Ship organization and management	2	0	3
7	Zoran Mrak	Marine communications	2	3	4
8	Albino Redžić	Physical training 3	0	2	1

Summer semester (IV)

No.	Course holder	Compulsory course	Lectures	Practical work sessions	ECTS credits
1	Boris Pritchard	Maritime English 4	1	2	4
2	Biserka Rukavina Igor Vio	Maritime property law	4	0	4
3	Serđo Kos	Astronomical navigation	2	2	4
4	Renato Ivče	Cargo handling 2	2	3	5
5	Đani Mohović	Voyage planning	2	2	4
6	Renato Ivče	Ship maintenance	2	1	2
7	Željko Sesar	Marine medicine	3	1	2
8	Albino Redžić	Physical training 4	0	2	1
9	Robert Mohović	On-board training	0	2	3

Third year students enrolled at the *undergraduate study of Nautical Studies and Maritime Transport Technology* register for the following courses in the academic year 2013/2014:

Winter semester (V)

No.	Course holder	Compulsory course	Lectures	Practical work sessions	ECTS credits
1	Boris Pritchard	Maritime English 5	1	2	4
2	Biserka Draščić Ban Željko Glavan	Mathematics 3	2	1	6

In the fifth semester, students can register for the following optional courses to the minimum workload of 20 ECTS credits:

No.	Course holder	Optional course	Lectures	Practical work sessions	ECTS credits
1	Axel Luttenberger	Commercial law	2	0	3
2	Ivica Šegulja	Terotechnology	2	1	5
3	Tanja Poletan Jugović Biserka Rukavina	Forwarding and shipping agencies	3	1	5
4	Tanja Poletan Jugović	Trade routes	2	1	3
5	Igor Rudan	Carriage of liquid cargoes by sea	3	2	6

6	Renato Ivče	Container and Ro-Ro transport	3	2	6
7	Čedomir Dundović Ines Kolanović	Ports and terminals	2	1	4
8	Ante Bistričić	Transport management	3	1	4
9	Dragan Čišić	E-business	2	2	4

Summer semester (VI)

No.	Course holder	Compulsory course	Lectures	Practical work sessions	ECTS credits
1	Boris Pritchard	Maritime English 6	1	2	4
		B.Sc. essay	0	5	6

In the sixth semester, students can register for the following optional courses to the minimum workload of 20 ECTS credits:

No.	Course holder	Optional course	Lectures	Practical work sessions	ECTS credits
1	Biserka Draščić Ban	Statistics	3	2	5
2	Axel Luttenberger Igor Vio	Transport insurance	3	1	5
3	Robert Mohović	Transport of bulk and special cargo	2	2	5
4	Damir Zec	Passenger transport by sea	2	2	5
5	Hrvoje Baričević	Land transport technology	2	1	3
6	Blanka Kesić	Economics of maritime systems	2	1	3
7	Dragan Čišić	Logistics in transport	2	1	3
8	Vinko Tomas	Automation in transport	2	1	3

The graduate study programme is conceived as an addition to the undergraduate study programme level. It aims at providing students with competences to enable them to manage and work successfully in different maritime institutions and other maritime oriented companies (harbourmaster's offices, ministry competent of maritime affairs, ports, port authorities, shipping companies, shipyards, shipping and forwarding agencies, customs authorities, transport companies, etc). The courses, planned as flexible one-semester courses with a great number of optional courses, are designed to promote mobility and access to study at different universities at any time during the study period.

First year students enrolled at the *graduate study of Nautical Studies and Maritime Transport Technology* register for the following courses in the academic year 2013/2014:

Winter semester (I)

No.	Course holder	Compulsory course	Lectures	Practical work sessions	ECTS credits
1	Tibor Poganj	Applied mathematics	2	2	6
2	Čedomir Dundović Ines Kolanović	Research work methodology	2	0	4
3	Damir Zec	Marine technologies	2	1	5

In the first semester, students can register for the following optional courses to the minimum workload of 15 ECTS credits:

No.	Course holder	Optional course	Lectures	Practical work sessions	ECTS credits
1	Svjetlana Hess	Operational researches	3	2	5
2	Ante Bistričić	Project management	2	1	4
3	Axel Luttenberger	Transport law of the EU	2	0	4
4	Damir Zec Vjekoslav Koljatić	Ecology in transport	2	0	4
5	Dragan Čišić	Supply chain management	2	1	4
6	Svjetlana Hess	Technological processes in transport	2	2	4
7	Aleksandra Deluka-Tibljajš Hrvoje Baričević	Land transport planning	2	1	4

Summer semester (II)

No.	Course holder	Compulsory course	Lectures	Practical work sessions	ECTS credits
1	Serđo Kos	Integrated and multimodal transport	3	1	6
2	Vlado Frančić	International maritime safety system	2	1	5
3	Vldo Frančić	Quality management in maritime affairs	2	1	4

In the second semester, students can register for the following optional courses to the minimum workload of 15 ECTS credits:

No.	Course holder	Optional course	Lectures	Practical work sessions	ECTS credits
1	Robert Mohović	History of maritime affairs and navigation*	2	1	4
2	Robert Mohović	Ship stability*	3	1	6
3	Đani Mohović	Nautical tourism*	2	1	4
4	Alen Jugović	Port business operation*	2	1	4
5	Nataša Žunić Kovačević	Customs*	2	1	4
6	Antun Kraš	Technical systems reliability and safety*	2	1	5
7	Čedomir Dundović	Planning and designing transport terminals*	2	2	5
8	Vinko Tomas	Intelligent transport systems*	2	1	5

* Optional courses that students can register for in one of the proposed semesters (II or IV)

Second year students enrolled at the *graduate study of Nautical Studies and Maritime Transport Technology* register for the following courses in the academic year 2013/2014:

Winter semester (III)

No.	Course holder	Compulsory course	Lectures	Practical work sessions	ECTS credits
1	Dragan Čišić	Modeling and simulations	2	2	6
2	Mirano Hess	Coastal zone management	2	1	6

In the third semester, students can register for the following optional courses to the minimum workload of 18 ECTS credits:

sNo.	Course holder	Optional course	Lectures	Practical work sessions	ECTS credits
1	Đani Mohović	Risk management in maritime affairs	2	2	6
2	Robert Mohović	Maritime aspect of ports and waterways design	2	2	6
3	Serđo Kos Vlado Frančić	Marine accidents investigation	2	2	6
4	Darko Glažar	Ecology of the sea	2	1	6
5	Axel Luttenberger	Environmental law	2	1	6
6	Pave Komadina Vjekoslav Koljatić	Pollution control	2	1	6
7	Mirano Hess	Business operations in shipping	2	1	6
8	Mirano Hess	Chartering	2	1	6
9	Vinko Tomas	Controlling technical systems	2	1	6
10	Vinko Tomas	Computer controlled ship systems	2	2	6

Summer semester (IV)

No.			Lectures	Practical work sessions	ECTS credits
1		M.Sc. thesis	10		18

In the fourth semester, students can register for the following optional courses to the minimum workload of 12 ECTS credits:

No.	Course holder	Optional course	Lectures	Practical work sessions	ECTS credits
1	Robert Mohović	History of maritime affairs and navigation*	2	1	4
2	Robert Mohović	Ship stability*	3	1	6
3	Đani Mohović	Nautical tourism*	2	1	4
4	Alen Jugović	Port business operation*	2	1	4
5	Nataša Žunić Kovačević	Customs*	2	1	4
6	Antun Kraš	Technical systems reliability and safety*	2	1	5
7	Čedomir Dundović	Planning and designing transport terminals*	2	2	5
8	Vinko Tomas	Intelligent transport systems*	2	1	5

* Optional courses that students can register for in one of the proposed semesters (II or IV)