



## MARITIME DEPARTMENT

# Undergraduate Study Yacht and Marina Technologies

### ABOUT THE ACADEMIC PROGRAM

The study qualifies those who seek employment at sea or ashore for positions in marina management, chartering of yachts and small crafts, and as yacht skippers.

Students during their theoretical sessions learn about the maritime, shipping and economic basics required for management in nautical tourism and maritime activities. Practical training is provided in laboratories at the University of Dubrovnik, on the research-training ship 'Naše More', on yachts and in marinas.

### DURATION

The undergraduate Yacht and Marina Technologies study lasts **three years**, i.e. six semesters (180 ECTS credits).



## ACADEMY DEGREE OBTAINED

Upon completion of the undergraduate study, students acquire the academic degree of **Bachelor of Yacht and Marina Technologies**.

## AFTER GRADUATING

Finishing the undergraduate study, a student can opt for the graduate study, leading on to the postgraduate (Ph.D.) study in Maritime Studies.



## COURSES

1st YEAR	ECTS	2nd YEAR	ECTS	3rd YEAR	ECTS						
<ul style="list-style-type: none"> <li>● ENGLISH LANGUAGE 1</li> <li>● MATHEMATICS 1</li> <li>● MATHEMATICS 2</li> <li>● ELECTRICAL ENGINEERING AND ONBOARD ELECTRONICS</li> <li>● YACHT SYSTEMS 1</li> <li>● YACHT SYSTEMS 2</li> <li>● SAILING AND SAILING SKILLS</li> <li>● COMMUNICATION AT SEA</li> <li>● PROFESSIONAL TRAINING</li> <li>● BASICS OF ENGINEERING</li> <li>● THE MEANS OF MARITIME TRANSPORT</li> <li>● PHYSICAL EDUCATION</li> </ul>	<p>4 5 4 4 4 4 3 4 2 4 3 1</p>	<ul style="list-style-type: none"> <li>● ENGLISH LANGUAGE 2</li> <li>● SAILING</li> <li>● SHIP HANDLING TECHNIQUES</li> <li>● NAUTICAL TOURISM AND MARINA MANAGEMENT 1</li> <li>● NAUTICAL TOURISM AND MARINA MANAGEMENT 2</li> <li>● ELECTRONIC NAVIGATION</li> <li>● APPLICATION OF ELECTRONIC COMPUTERS</li> <li>● VOYAGE PLANNING</li> <li>● CONSTRUCTION, RESISTANCE AND PROPULSION OF YACHTS</li> <li>● SHIP MAINTENANCE</li> <li>● MARINE METEOROLOGY AND OCEANOGRAPHY</li> <li>● MARITIME LAW</li> <li>● SAFETY AT SEA</li> <li>● PHYSICAL EDUCATION</li> </ul>	<p>4 3 5 4 4 4 4 4 5 3 3 3 4 1</p>	<ul style="list-style-type: none"> <li>● ENGLISH LANGUAGE 3/1</li> <li>● ENGLISH LANGUAGE 3/2</li> <li>● STATISTICS</li> <li>● WORK ORGANISATION AND MANAGEMENT ON BOARD</li> <li>● ACCOUNTING AND FINANCE 1</li> <li>● ACCOUNTING AND FINANCE 2</li> <li>● COMMUNICOLOGY</li> <li>● MARINE ENVIRONMENT PROTECTION</li> <li>● MARKETING MANAGEMENT</li> <li>● MARITIME MEDICINE</li> <li>● RESCUE AT SEA</li> <li>● COMMERCIAL LAW</li> <li>● TECHNICAL SYSTEMS MANAGEMENT IN SHIPPING</li> <li>● THESIS</li> </ul>	<p>3 4 5 3 4 4 3 2 5 2 3 5 5 5</p>	<p><b>OPTIONAL COURSES</b></p> <ul style="list-style-type: none"> <li>● ITALIAN LANGUAGE 1</li> <li>● GERMAN LANGUAGE 1</li> </ul>	<p>2 2</p>	<p><b>OPTIONAL COURSES</b></p> <ul style="list-style-type: none"> <li>● ITALIAN LANGUAGE 2</li> <li>● GERMAN LANGUAGE 2</li> </ul>	<p>2 2</p>	<p><b>OPTIONAL COURSES</b></p> <ul style="list-style-type: none"> <li>● MARINE TOURISM DEVELOPMENT</li> <li>● NAUTICAL ENGINEERING IN SHIPPING</li> <li>● TERRESTRIAL NAVIGATION</li> <li>● ECONOMICS OF SHIPPING</li> <li>● TECHNICAL SUPERVISION AND CLASSIFICATION</li> </ul>	<p>5 5 5 2 3</p>

# Graduate Study Maritime Studies



## DURATION

The graduate Maritime Studies study lasts **two years**, i.e. four semesters (120 ECTS credits).

## ACADEMIC DEGREE OBTAINED

Upon completion of the graduate study, students acquire the academic degree of **Master in Maritime Transport**.

## CAREER PROSPECTS

The basic goals in education of future mariners is to develop the expertise required to manage, handle and maintain modern technical and technological ship, port and transport systems; to encourage capacity for scientific research in the area of marine sciences; to foster the ability to actively participate in the commercial activities and efficient management of companies and services in social and commercial fields; all these directed towards a more intensive development of the maritime economy as a whole.

## AFTER GRADUATING

Finishing the graduate study in Maritime Studies students are eligible for admission to the postgraduate Maritime Studies Programme, organised by the Faculty of Maritime Studies in Rijeka in co-operation with the University of Dubrovnik, the University of Zadar, the Faculty of Maritime Studies in Split, the Croatian Hydrographic Institute and the Croatian Navy.



## DISTINGUISHED QUALITIES

Classes are held in small groups, focusing on excellence in marine expertise and skills through practical training. Special emphasis is put on individual mentoring of the students thus developing the specialised skills demanded for the complex shipping economy.

## COURSES

1st YEAR	ECTS	2nd YEAR	ECTS
● APPLIED MATHEMATICS	6	● INTERNATIONAL MARITIME SAFETY SYSTEM	6
● BUSINESS AND BUSINESS ORGANISATION IN SHIPPING	5	● MANAGEMENT IN SHIPPING	6
● SCIENTIFIC RESEARCH METHODOLOGY	5	● NAUTICAL TOURIST MARKET	6
● VESSEL AUTOMATION	4	● SYSTEMATIC APPROACH TO SHIPPING	6
● SEA TRANSPORT	5	● RISKS IN SHIPPING	4
● SHIP PROPULSION, TYPES AND SELECTION	5	● INTELLIGENT TRANSPORTATION SYSTEMS	5
● BUSINESS ETHICS	5	● THESIS	5
● HISTORY OF SHIPPING	5	<b>OPTIONAL COURSES</b>	
● QUALITY AND SAFETY MANAGEMENT AND ENVIRONMENTAL PROTECTION	6	● MODERN MICROPROCESSOR AND MICROMECHANICAL TECHNOLOGY IN SHIPPING	6
● STRATEGIC MANAGEMENT AND BUSINESS POLICY OF SHIPPING COMPANIES	5	● ONBOARD AIR-CONDITIONING SYSTEMS	6
● EXPERT SYSTEMS IN SHIPPING	5	● COMMUNICATION SYSTEMS IN SHIPPING	6
● MAINTENANCE SYSTEMS	4	● SHIP STABILITY	6
		● SHORE TRANSPORTATION SYSTEMS PLANNING	6
		● PREVENTION OF CORROSION	6
		● OPTIMISING SHIP PROPULSION	6
		● MARITIME DESIGN OF PORTS AND WATERWAYS	6
		● NAUTICAL TOURISM MANAGEMENT	6
		● MARINE ELECTRIC POWER MACHINES	5
		● RENEWABLE ENERGY SOURCES IN SHIPPING	5
		● SHIP POWER SYSTEMS	5
		● LOGISTICS IN SHORE TRANSPORTATION	5
		● MODELLING AND SIMULATION IN SHIPPING	6

## FACILITIES AND EQUIPMENT

- two auditoriums,
- 17 classrooms,
- five computer rooms,
- e-learning room,
- marine engineering laboratory
- hydraulics and pneumatics laboratory,
- navigational simulator,
- GMDSS laboratory,
- radio station,
- research-training ship "Naše more".



## HOW TO CONTACT US

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