UNIVERSITY OF RIJEKA
FACULTY OF MARITIME STUDIES

YACHT MASTER UP TO 100 GT

(In accordance with Code on Ranks and Certificates of Seafarers' Training on Merchant Ships in the Republic of Croatia)

Rijeka, March 2004

SCOPE

The course consists of the theoretical part, the exercises performed on a full mission bridge simulator and the practical part on faculty's training yacht. The lectures, to provide the necessary theoretical background for the exercises, are included.

This corse meets mandatory requirements prescribed in part D of the Code on Ranks and Certificates of Seafarers' Training on Merchant Ships in the Republic of Croatia ('Official Gazette', No. 8/02, as amended).

OBJECTIVES

The participants who successfully complete the course will be able to take full responsibility for the safety of the yacht and the crew. They should be able conduct safe navigation and manoeuvring of the yacht in all conditions.

By the end of the course participants should be able to demonstrate the appropriate knowledge of:

- Ships systems,
- Meteorology and oceanography,
- Maritime law, and
- English language.

COURSE DURATION AND EXAMINATION

The course duration is 6 days (52 hours).

Examination is carried out by the Examination board nominated by the Harbour Master's Office in Rijeka.

COURSE CERTIFICATE

Documentary evidence specifying the training is issued upon completion of the course and the dedicated certificate is issued after participant successfully complete the exam.

COURSE INTAKE LIMITATIONS

The number of students is limited to 20 and practical training will be carried out in small groups. They must be able to communicate in English.

TEACHING AIDS AND FACILITIES

Following teaching aids are available:

- Navi-trainer professional simulator Transas 2000 (multi-user),
- Navi-trainer professional simulator Transas 3000 (full mission bridge),
- DPS 100 Diesel Engine Simulator – NorControl,
- PPT 200 SIMULATOR, PC-based - NorControl MC90 MODUL; Diesel Electric AC/AC MODUL,
- Training yacht "Spirit of Amulia".

COURSE CONTENTS

Subject area:

- **Introduction**
- **Navigation**
  - Obtaining ship's position
  - Basics of Terrestrial navigation
  - Navigational charts - using and corrections
  - Using of nautical publications
  - Using of electronic accessories for obtaining ship's position
  - Compass - using, maintenance, errors and their fixing
  - Electronic charts
  - ARPA, Radar - basic use
- **Ship maneuvering**
  - Steering knowledge
  - Maneuvering characteristics of a ship
  - Anchor and berthing procedure
  - COLREGS
  - International Code of Signals
  - Emergency procedure
  - IAMSAR
  - Duty of the man on watch
- **Ship and ship engine fundamentals**
  - Ship construction fundamentals
  - Ship stability fundamentals
  - Safety and fire-fighting equipment
  - Types of a ship engine and operational principals
  - Ship's installation and servicing the ship engine
  - Precaution measures for preventing oil pollution
- **Meteorology and oceanography**
  - Different whether situations, their monitoring and noticing
  - Receiving meteorological prognosis

  - Reading data from meteorological instruments
  - Tidal stream and tides
- **Maritime law**
  - Relevant international convention and international rules
  - Relevant national regulations
- **English language**
  - Ship and general maritime terminology
  - Navigation charts and notice to mariners, marine meteorology
  - Communication with other ships and coast stations, using Standard Marine Navigation Vocabulary and Standard Marine Communication Phrases
  - Distress communication, arrival and departure communication
  - Understanding of regulations, instructions and other port authority documents related to maritime law
- **Simulator and practical exercises**