

APPLIED SHIPHANDLING (MT-3231)

SPRING 2022 SYLLABUS

COURSE OBJECTIVES

Applied Shiphandling I introduces students to the fundamentals of how ships behave based on the type of ship (single screw, twin screw, FPP, CPP, Azipod, steam, diesel, etc.) and the environmental circumstances in which the ship is operating (wind, waves, tide, swell, narrow channel, depth of water, etc.). The student will learn fundamental shiphandling concepts and practice basic shiphandling skills such as docking, undocking, anchoring, and maneuvering in common shiphandling situations. These skills will be practiced in the Full Mission Ship Simulator (FMSS) and aboard **M/V RANGER**.

LEARNING OUTCOMES

1. Upon completion of the course the student will possess a basic understanding of theory and practice of shiphandling and familiarity with the hardware employed in the maneuvering of ships.
2. The student will be able to apply these basic shiphandling skills to actual shiphandling situations under the auspices of an experienced officer.
3. Successful completion of Applied Shiphandling (MT-3231) and Bridge Resource Management (MT-4133) will prepare deck license students to undertake required STCW assessments in the areas of Bridge Resource Management, Ratings forming part of a Navigational Watch, and Proficiency of the Officer in Charge of a Navigational Watch.
4. Each student will be familiarized with the navigation and operating equipment available in the FMSS navigational bridge. Students will be able to initialize each piece of equipment. They will know its location on the bridge and proper use during navigation.
5. Students successfully completing Applied Shiphandling and Bridge Resource Management will receive STCW certification in Bridge Resource Management and a sea-time equivalency letter.

PREREQUISITES

In order to enroll in Applied Shiphandling, the student must have successfully passed the following courses:

Advanced Seamanship (MT-4132), Sea Term (MT-3372) or Sea Term III (MT-3371)

Automatic Radar Plotting Aids (ARPA) (MT-3222) (Corequisite)

Students who do not meet these course requirements are not eligible to enroll in Applied Shiphandling. It is not the purpose of this program to reintroduce the student to basic navigational subjects such as buoyage systems, tides and currents, dead reckoning, Rules of the Road or radar operation. ***Students are expected to be competent in the above professional areas as a condition of participation in the course.***

Applied Shiphandling is a prerequisite for Bridge Resource Management (MT-4133) and Sea Term IV (MT-4371)

GRADING

Shiphandling is your chosen profession, your craft. You should take pride in learning the skills required of a professional mariner. It should be your highest objective to become a safe and competent shiphandler. Aboard M/V RANGER and in the Full Mission Ship Simulator, PROFESSIONALISM will constitute a significant proportion of your daily grade.

The word PROFESSIONALISM implies much more than the term "class participation." It is the effort you expend to learn good shiphandling skills, your attentiveness to fellow student shiphandlers as they step to the helm, your efforts to learn about shiphandling hardware and navigational equipment, your seamanlike handling of communications, the way you conduct yourself as a professional mariner in training.

Overall semester grades will be computed as follows:

Application of skills, quizzes, professionalism (Simulator) 40%

Application of skills, quizzes, professionalism (RANGER) 40%

Final Examination 20%

A grade of 60 (D-) is required to pass Applied Shiphandling. Bridge Resource Management (MT-4133) has embedded STCW knowledge and practical assessments, and therefore requires a minimum of 70 (C-) to pass.

CHEATING

Cheating will not be tolerated. If you are a cheater you have no business becoming a professional mariner. In any circumstance in which cheating is discerned, the student will be placed on report, assigned a grade of 0 for the test or assignment, and a grade of F for the semester. CLASS 1 HONOR VIOLATION.

ATTENDANCE POLICY

There are only six classes aboard *M/VRANGER* and six classes in the FMSS. Missing a class will be EXTREMELY detrimental to your learning!! No unexcused absences will be tolerated. The instructor must be notified via email of any absence due to illness or other reason. Unauthorized absences will result in the cadet being placed on report and **an F for all assigned work for that day. Two absences will result in a grade of F for the semester.**

YOU WILL BE SEATED FIVE MINUTES PRIOR TO THE BEGINNING OF CLASS. THE SECURITY DOOR IS SHUT AND LOCKED AT 0800. All assignments are due at 0800. Your assignment will not be accepted late. You will be considered absent if you are not in attendance at 0800. Do not print off your assignments the morning of class. Bring your assignments to class with your name on all sheets and the assignments stapled together. DO NOT EXPECT TO DO THIS IN CLASS OR YOUR ASSIGNMENT WILL NOT BE ACCEPTED.

UNIFORM

Cadets will be in the prescribed uniform of the day for all simulator classes. Proper military bearing and courtesy are expected at all times. **If you come to class with no shave, an inappropriate haircut, or the improper uniform, you will receive an F for the day. No exceptions.**

REQUIRED TEXTBOOKS:

RANGER MANUAL, Captain Patrick J. Modic

ADDITIONAL PROFESSIONAL REFERENCES (Do not need to buy these.)

The Shiphandler's Guide, Captain R.W. Rowe, FNI

A Master's Guide to Berthing, The Standard Club

SHIP HANDLING, by Herve Baudu, Dokmar

Shiphandling for the Mariner, MacElrevy

The Watchstander's Guide, Meurn

COLREGS (COMDTINST M16672.2)

Technical manuals for all bridge equipment are available for student use in the ship simulator classroom, but these manuals may NOT be removed for any reason!

DISABILITIES

Mass Maritime Academy is committed to providing reasonable accommodations to students with documented disabilities. The Director of Disability Resources works in collaboration with the Dean of Undergraduate Studies, faculty, and other campus departments to provide support for students with learning disabilities, as outlined in the Americans with Disabilities Act of 1990. A student who feels they may need an accommodation based on the impact of a disability should access Disability Resources at <https://www.maritime.edu/ada> to discuss specific needs.

Thereafter, you must make your instructors aware of any determined accommodations so that they may be implemented

CONTACT

If you have questions concerning any matter, please see me during office hours or send me an email.

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