



Course Description: A study of the rules and regulations that govern marine inspection, lifesaving, firefighting, and environmental pollution. This course prepares future licensed officers for shipboard responsibilities including: inspection of lifesaving and, firefighting equipment, the hazards of confined space entry, emergency situations, and pollution prevention and abatement. Case studies of marine casualties are used to apply the **concepts and theories** of marine safety. The course provides the student with a mix of **critical analysis, application, and communication**.

1. Course Materials for Marine Safety: *note—the library marks the spines with their own tracking letters—it has nothing to do with the content or the subchapters.*

- 33 CFR volume 1 parts 1-120, and volume 2 parts 125-199,
- 46 CFR, all seven volumes, parts 1-199
- 49 CFR [volume 2 containing...] parts 171-177 (Hazardous Material Regulations)
- Marine Fire Prevention., Brady (Semester loan),
- USCG Chemical Data Guide (Semester Loan)
- Access to Blackboard and the Internet
- A 2" 3-ring binder devoted to this subject with blank pages to take notes!

Course Goal: that cadets will see that a practical knowledge of the regulatory environment leads to safer outcomes at sea.

Learning Outcomes: candidates will demonstrate knowledge and understanding of the following elements:

- Proficiency in navigating the CFRs and other references;
- A working understanding of human error and biases in decision-making;
- Recognition of on-board hazards.
- An understanding of the regulatory environment, local, Federal, national, and international and the mariner's ethical duty;
- Practical familiarity with pollution prevention and regulations;
- A theoretical understanding of structural and practical fire protection;
- The basics of record keeping;
- Introduction to the elements of Ethical conduct.

STCW elements:

- [T-OPS-X3.2](#) breathing apparatus and tank-evacuating equipment
- [T-OPS-X3.2](#) rescue and escape equipment
- [T-OPS-X3.3](#) precautions to be taken when entering enclosed spaces (Tanker safety)
- [T-OPS-X3.3](#) precautions to be taken before and during repair and maintenance work (tanker safety)
- [T-OPS-X3.3](#) safety measures for hot and cold work (tanker safety)
- [T-OPS-X3.3](#) electrical safety (tanker safety)

Grading and conduct policy:

2. Attendance. STCW makes no accommodation for absences. Students are responsible for all material presented in class. However, common sense dictates that you communicate with me as soon as you know you will miss a class or be late. Since each class meeting represents 1.5 of the credit hour, more than two unexcused absences will result in a failing grade.
3. A grade of less than "C-" will result in non-compliance with USCG/STCW mandated competency standards and result in license track students repeating the course, which is only given in the fall.
4. I will be prompt, and you must be too. Students shall wait at least 25 minutes after the scheduled class start time for the instructor. Generally, I will email you between 0600-0700 if class is cancelled. Egregious tardiness will result in a loss of one point on your overall average for each incident.
5. Office hours are established to allow students the opportunity to consult with the instructor.
Please seek help immediately when you need it. Hours Monday and Wednesday by appointment for a time after 1045 on those days. I can stay as long as you need to talk. Text me or email me to again the day you wish to see me.
6. The Academic Code of Conduct will be strictly enforced.
7. Eating, drinking, smoking: Notice of Proposed Rule-making (NPRM)
8. Cell phones: NPRM.
9. ACCOMMODATIONS -- Mass Maritime is committed to providing reasonable accommodations to students with documented disabilities. Students who believe they may need accommodations in this class are required to contact Fran Tishkevich - Disability Resource Coordinator, Phone ext.: 2208: ftishkevich@maritime.edu, within the first two weeks of class. Remember, you must notify me, in advance if you require accommodations for class or testing.
10. Final Grades in this course will be determined as follows:
 - o Seven Regular Tests averaged together account for 50% of final grade, dropping the lowest grade.
 - o Assignments, including work sheets begun in class: 20%.
 - o Independent reading and submissions; class participation 10%
 - o The final exam (no exemptions) accounts for 20% of Final Grade. The exam will be given on the days specified by the Registrar. Unless otherwise permitted, **YOU MUST TAKE YOUR FINAL AS SCHEDULED BY THE REGISTRAR.**
 - o The numerical average that corresponds to the USCG/STCW required passing grade of (C-) is 69.6%.

Until the SSA ferry begins running at 0530 on 16 March, I may be as much as 15 minutes late. Please let me arrive to find you quietly engaged in your CFR practice! There is plenty to do!

Contact Information

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