

Sea Term I ST-0999E

Winter 2016

Cruise Coordinator: LT K. McClellan

Office: Engineering Training Office

Requisite:

Algebra and Trig

Text:

Introduction to Engineering Manual

Entrance Requirements:

- Respond to shipboard emergency signals
- Safely evacuate engine room when required
- Conduct oneself safely in a shipboard environment

Course Description:

ST-0999E is the common Sea Term for Freshmen. It provides an introduction to Marine Transportation and Marine Engineering. All cadets will stand Bridge and Engine Room watches and will receive training in basic Deck and Engine skills that will be utilized by all graduates regardless of major. All cadets will participate in maintenance of the vessel: Deck, Engine, and Stewards. Cadets will also have the opportunity to visit foreign and domestic ports.

Learning Objectives:

Demonstrate knowledge and understanding of the following STCW elements:

- AB-D-C1.1 Function and uses of valves and pumps
- AB-D-D1.6 Knowledge of the application, maintenance, and use of hand tools
- AB-D-D1.6 Knowledge of the application, maintenance, and use of power tools
- AB-E-A4.1 Ability to understand orders
- OICEW-C1.6 Use of hand tools
- OICEW-C1.6 Use of measuring instruments
- RFPEW-A1.1 Terms used in machinery spaces
- RFPEW-A1.1 Names of machinery and equipment
- RFPEW-A1.2 Engine-room watchkeeping procedures
- RFPEW-A1.6 Familiarity with engine-room alarm systems
- RFPEW-A1.6 Distinguish between the Engine-room alarms
- RFPEW-A1.6 Recognize Fire-extinguishing gas alarms
- RFPEW-A3.3 Familiarity with location of fire-fighting equipment in the machinery spaces

Demonstrate proficiency in the following skills:

- OICEW-1-1D Sweat joint
- OICEW-1-1E Bend copper tube
- OICEW-2-1A Drill blind hole using a drilling machine
- OICEW-2-1B Thread a blind hole using hand taps
- OICEW-2-1C External thread using a hand die

Additional Learning Objectives:

- Demonstrate engineering knowledge by achieving a 70% or higher on the Cadet Fireman's Qualification Exam
- Perform duties of the Cadet Fireman of the Watch
- Perform shipboard maintenance duties as assigned by the ship's Officers

Attendance:

- Attendance is mandatory for all class lectures and lab instruction.

Grading:

Reference the Engineering Training Program Manual

Note:

During cruise you will have to successfully complete and pass your Fireman Exam with above a 70% and pass all assessments before the end of Cruise 2016.

Dress Code:

You are expected to be in the proper uniform of the day as announced by the Commandant of Cadets.

Cheating:

Cheating will not be tolerated!!!!

Disability Accommodation:

Massachusetts Maritime Academy 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 the Director of Disability Compliance.

Reading Assignments:

Will be given out to cadets during class time. It is strongly recommended that all cadets read the Engineering Training Manual to become familiar with the assessments.

Student Learning Outcomes:

Success in this course will be measured through examination and assessments. These will take place during Cruise 2016.

STCW Qualified Instructors and Designated Examiners:

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| • LT McClellan
2016
Engineering
Coordinator | • Mr.
Coleman | • Mr. Collins |
| • CDR Haynes | • Mr.
Schreiber | • LT Trudeau |
| • LT Splaine | • Mr. Cruse | • CDR Bausch |
| • CDR Murray | • Mr.
Shepard | • LCDR Pulis |