MNG 323 - MARINE STEAM LAB

Course Description

This is a hands-on course intended to reinforce MNG 321 and MNG 322. Students will disassemble, inspect, and reassemble machinery typical of what is found aboard ship. Machinery condition will be noted and recommendations made. Machinery records will be updated. STCW.

Credit Hours

1

Contact Hours

1

Lecture Hours

1

Required Prerequisites

All prerequisites for all GLMA courses are satisfied by following the approved Course Sequence Guide and any deviation from this guide needs to be approved by the cadet's adviser.

Course Learning Outcomes

Knowledge:

- Describe the theory of operation for all components relating to the marine steam system.

Application:

- Demonstrate the operation of components of a steam propulsion system.
- Demonstrate knowledge of a steam propulsion system.

Integration:

- Discern the importance of proper operation of a steam propulsion systems used onboard merchant vessels.
- Demonstrate proper operation of the components of a steam propulsion system.
- Determine how to properly operate a steam propulsion system.

Human Dimension:

- Recognize the importance of properly maintaining the components of a steam propulsion system.
- Recognize the importance of proper watch keeping on a merchant vessel which employs steam propulsion.

Caring - Civic Learning:

- Identify the expectations of a licensed engineering officer onboard a vessel.

Learning How to Learn:

- Apply experiential knowledge toward becoming an officer.