

MDK 341 - SHIP CONSTRUCTION

- Apply study strategies to prepare for examinations.
- Demonstrate the STCW Code KUPs for Officer in Charge of a Navigation Watch: 11.1, 11.2, 11.3, 11.4.A, 11.5, 11.6, 11.7.
- Demonstrate the STCW Code KUPs for Officer in Charge of an Engineering Watch: 11.4.A.

Course Description

A study of hull construction as applied to all types of vessels. Includes construction nomenclature, criteria of design, methods of construction, materials used in construction and stress calculations. STCW.

Credit Hours

2

Contact Hours

2

Lecture Hours

2

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.

Recommended Prerequisites or Skills Competencies

ENG 111 and MTH 111

Course Learning Outcomes

Knowledge:

- Describe the materials used in modern ship construction.
- Summarize design criteria for the hull and superstructure.
- Describe ship maintenance and inspection procedures.

Application:

- Use ship construction terminology.
- Explain how the design effects its overall performance.

Integration:

- Mitigate dangerous conditions by inspecting the vessel for environmental damage.
- Correlate types of vessels with maritime commerce.
- Correlate the relationship between shipboard operations and unsafe procedures.

Human Dimension:

- Communicate with their peers using standard ship construction nomenclature which allows effective collaboration within the maritime field.
- Utilize their knowledge of ships construction when evaluating other students' projects and presentations.

Caring - Civic Learning:

- Recognize the role shipboard preventative maintenance, periodic inspections and safe operations has towards the reduction in marine casualties which may result in an economic loss, loss of life, or environmental damage.

Learning How to Learn:

- Gather knowledge from various sources and apply that knowledge during examination.