

MDK 444 - CARGO SYSTEMS

Course Description

An in-depth study of the Great Lakes self-unloading vessel, container vessels, tankers, passenger vessels, regulations concerning hazardous materials, government regulations and the relationship between vessel and shoreside operations.

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.

Course Learning Outcomes

Knowledge:

- Describe the cargo handling processes employed by Great Lakes self-unloading vessels, container vessels, tankers, and passenger vessels.

Application:

- Apply applicable regulations concerning hazardous materials.
- Apply proper procedures regarding cargo stowage in a variety of scenarios that are encountered on a regular basis by U.S. merchant marine officers.

Integration:

- Describe the interaction between government regulations and the relationship between vessel and shore-side operations.

Human Dimension:

- Develop professional merchant marine officer skills.
- View themselves as cargo officers as well as officers in charge of a navigational watch.

Caring - Civic Learning:

- Describe the ethical issues/ considerations involved with serving as a licensed officer in the merchant marine.
- Recognize the relationship between maximizing a vessel for commercial interests and the safety limits for shipmate's lives relating to proper cargo handling techniques.

Learning How to Learn:

- Work together as a cohort to complete a comprehensive project that will replicate the challenges associated with the actual cargo loading on a large commercial vessel.