# MDK 332 - ELECTRONIC NAVIGATION LAB

## Course Description

A practical course to understand the use and operation of a marine radar; including: how to avoid collision situations using Rapid Radar Plotting. This required course must be successfully completed before the student may receive an original “Radar Observer Certificate”. STCW.

## Credit Hours

1

## Contact Hours

1

## Lab 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.

## Corequisites

MDK 331

## Recommended Prerequisites or Skills Competencies

ENG 111 and MTH 111

## Course Learning Outcomes

**Knowledge:**

- Describe navigational theories relating to RADAR navigation and collision avoidance.

**Application:**

- Demonstrate proper operation of navigational radar equipment.
- Demonstrate proficiency in rapid radar transfer plotting.

**Integration:**

- Demonstrate proficiency with radar equipment; Radar Transfer Plotting Sheeting and Indicator Reflection Plotters.

**Human Dimension:**

- See themselves as proficient officers prepared to make informed decisions regarding radar.

**Caring - Civic Learning:**

- Recognize the importance of using electronic advanced navigational equipment to safely navigate a vessel.

**Learning How to Learn:**

- Demonstrate the STCW Code Knowledge, Understanding and Proficiencies (KUPs) for Officer in Charge of a Navigation Watch: 1.4.A, 1.4.B, 2.1 D, 2.1.E, 2.1.F, 2.1.G, 3.2, 3.3.A, 3.4.