

PURPOSE

The purpose of this course is to provide education in advanced concepts of Mine Warfare for Officers of the rank O2 or higher. This course provides officers instruction in a lecture/seminar format on mine countermeasures, MCM force composition and logistics. The course is conducted in accordance with the provisions of the Department of Defense Informational Program as implemented by OPNAVINST 4950.1.

SCOPE

This course will include eight modules:

- 1) Mine Warfare Core
- 2) Introduction to MEDAL
- 3) Side Scan Sonar
- 4) Surface Mine Counter Measures
- 5) Airborne Mine Counter Measure Systems
- 6) Underwater Mine Counter Measure Systems
- 7) Littoral Combat Ship
- 8) Mine Warfare Messages

PREREQUISITES

- 1) Minimum pay grade of O2 or equivalent
- 2) Students are required to pass an English Comprehension Level at a level of 70% or greater.

DURATION

3 weeks

TRAINING INFORMATION

Center for Surface Combat Systems
(CSCS)

Mine Warfare Training Center
(MINWARTRACEN)

Director of Training (619) 524-1472
32150 Destroyer Lane Suite 159
San Diego, CA 92147



Mine Warfare Orientation for International Officers



MINE WARFARE



COURSE TOPICS

UNIT 1: (U) Mine Warfare Core

- Lesson Topic 1.1: (U) History of Mine Warfare
- Lesson Topic 1.2: (U) International Law
- Lesson Topic 1.3: (U) Scientific Principles of Mine Warfare Operations
- Lesson Topic 1.4: (U) Mine Types
- Lesson Topic 1.5: (U) Minefield Planning
- Lesson Topic 1.6: (U) MCM Performance
- Lesson Topic 1.7: (U) Ship Vulnerability
- Lesson Topic 1.8: (U) Introduction to MCM Organization
- Lesson Topic 1.9: (U) Future Capabilities of the MCM Triad
- Lesson Topic 1.10: (U) Planning and Integrated Operations

UNIT 2: (U) MEDAL

- Lesson Topic 2.1: (U) Introduction to MEDAL

UNIT 3: (U) Side Scan Sonar

- Lesson Topic 3.1: (U) History of SONAR
- Lesson Topic 3.2: (U) SONAR Operations

UNIT 4: (U) Surface Mine Countermeasures

- Lesson Topic 4.1: (U) Surface Mine Countermeasures Overview
- Lesson Topic 4.2: (U) Avenger Class MCM Ship Specifications
- Lesson Topic 4.3: (U) Navigation Systems
- Lesson Topic 4.4: (U) Mine Detection Systems
- Lesson Topic 4.5: (U) Mine Neutralization Systems
- Lesson Topic 4.6: (U) Mine Sweeping Systems
- Lesson Topic 4.7: (U) AN/SSQ-94 Shipboard Trainer
- Lesson Topic 4.8: (U) Planning Sequence
- Lesson Topic 4.9: (U) Avenger Class Engineering Fundamentals

UNIT 5: (U) Airborne Mine Countermeasure Systems

- Lesson Topic 5.1: (U) Airborne Mine Countermeasures Overview
- Lesson Topic 5.2: (U) MH 53 Mine Hunting Helicopter Specifications
- Lesson Topic 5.3: (U) Mine Sweeping Systems

UNIT 6: (U) Underwater Mine Countermeasure Systems

- Lesson Topic 6.1: (U) Underwater Mine Countermeasures Overview
- Lesson Topic 6.2: (U) Underwater Mine Countermeasure Systems

UNIT 7: (U) Littoral Combat Ship

- Lesson Topic 7.1: (U) Littoral Combat Ship

UNIT 8: (U) Mine Warfare Messages

- Lesson Topic 8.1: (U) Mine Warfare Reporting