

Unit 1: Naval Knowledge

In this section, we will discuss some of the unique ways that the Navy and the Naval Service serves as a tool for national policy and how it fits in to the thinking of the country's leaders in times of peace and in times of crisis. In so doing, we hope to give each cadet an appreciation for how the government of the United States interacts with the rest of the world as well as how the U.S. Navy performs its tasks from the perspective of their roles and missions. We will also introduce students to the concepts of law which affect each member of the service and how they relate to the day-to-day operations of the fleet. Finally, the Navy operates in an international arena and must be cognizant of the laws and practices which affect their activities throughout the world.

- Sea Power and National Security
 - The Importance of Sea Power
 - The U.S. Merchant Marine
 - Grand Strategy
 - U.S. Strategy and the Navy
 - National Security and Modern Conflict
- Naval Operations and Support Functions
 - Naval Operations
 - Naval Communications
 - Naval Intelligence
 - Naval Logistics
 - Naval Research and Development
- Military Law
 - Military Law
 - Discipline and Punishment
- International Law and the Sea
 - Fundamental of International Law
 - International Law of the Sea
 - Law of War at Seas

Unit 2: Naval Leadership

By this time in a cadet's experience, he or she has been active in a unit for one to two years. Over that time period cadets should have gained some insight into what leadership and followership is and how it affects the performance and morale of the individual in a unit. In Naval Science III, cadets are now getting to the time where they can no longer simply exist as a cadet in ranks. It is time for each cadet to start mentoring those who are junior and be a leader in the organization. As responsibilities grow, cadets will be expected to increase their skills as a leader. This section speaks to the concepts of leading others and how to evaluate and teach followers for the improvement of the organization.

- Naval Leadership
 - Leadership
 - Qualities of a Leader
 - Evolution of Performance
 - How to Give Instruction

Unit 3: Nautical Skills

There are certain skills and knowledge required of every sailor, whether officer or enlisted. In order to be a proficient member of the Naval Service, one must know how ships are put together and how they safely operate. We will discuss how such a complex system as a ship, submarine or aircraft carrier operates, navigates throughout the world, enters and leaves port and performs in an environment which is not only filled with other vessels, but has no guidelines to follow such as roads and highways. We will also discuss weapons systems and their purposes, limitations and defenses.

- Ship Construction and Damage Control
 - Ship Construction
 - Damage Control and Firefighting
- Shipboard Organization and Watchstanding
 - Shipboard Organization
 - Watches
- Basic Seamanship
 - Deck Seamanship
 - Ground Tackle and Deck Equipment
 - Small Boat Seamanship
- Marine Navigation
 - Introduction to Navigation
 - Aids to Navigation
 - Time and Navigation
- Rules of the Road and Maneuvering Board
 - Nautical Rules of the Road
 - Maneuvering Board
- Naval Weapons and Aircraft
 - Navy Weapons
 - Naval Guns
 - Naval Aircraft and Missiles
 - Mine Warfare
 - Chemical, Biological & Nuclear Warfare