

NAVAL SCIENCE (NAVA)

NAVA 100 - NAVAL SCIENCE LABORATORY**Short Title:** NAVAL SCIENCE LABORATORY**Department:** Naval Science**Grade Mode:** Standard Letter**Course Type:** Laboratory**Credit Hour:** 1**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Lower-Level**Description:** Practical applications of leadership principles as a Junior Naval Officer. Repeatable for Credit.**NAVA 101 - NAVAL ORIENTATION****Short Title:** NAVAL ORIENTATION**Department:** Naval Science**Grade Mode:** Standard Letter**Course Type:** Lecture/Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Lower-Level**Description:** An introduction to naval traditions and customs, seamanship, naval organization and missions, and the fundamental concepts of sea power.**NAVA 103 - SEA POWER AND MARITIME AFFAIRS****Short Title:** SEA POWER**Department:** Naval Science**Grade Mode:** Standard Letter**Course Type:** Lecture/Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Lower-Level**Description:** Readings, discussions, and research on selected topics related to the history, importance, and impact of sea power on modern civilization.**NAVA 203 - LEADERSHIP AND MANAGEMENT I****Short Title:** LEADERSHIP AND MANAGEMENT I**Department:** Naval Science**Grade Mode:** Standard Letter**Course Type:** Lecture/Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Lower-Level**Description:** An introduction to the principles and concepts of management, organization, leadership, information systems, and decision making.**NAVA 238 - SPECIAL TOPICS****Short Title:** SPECIAL TOPICS**Department:** Naval Science**Grade Mode:** Standard Letter**Course Type:** Internship/Practicum, Laboratory, Lecture, Seminar, Independent Study**Credit Hours:** 1-4**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Lower-Level**Description:** Topics and credit hours may vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.**NAVA 301 - NAVIGATION I****Short Title:** NAVIGATION I**Department:** Naval Science**Grade Mode:** Standard Letter**Course Type:** Lecture/Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Marine navigators and laws of vessel operations. Includes coastal piloting, navigational aids, nautical astronomy, satellite and inertial systems, and rules of the nautical road.**NAVA 302 - NAVAL OPERATIONS AND SEAMANSHIP****Short Title:** NAVAL OPERATIONS & SEAMANSHIP**Department:** Naval Science**Grade Mode:** Standard Letter**Course Type:** Lecture/Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** An analysis of ship movements, formations, and fleet operations; includes Rules of the Road, maneuvering board, tactical publications and communications.**NAVA 303 - EVOLUTION OF WARFARE****Short Title:** EVOLUTION OF WARFARE**Department:** Naval Science**Grade Mode:** Standard Letter**Course Type:** Lecture/Laboratory**Credit Hours:** 3**Restrictions:** Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.**Course Level:** Undergraduate Upper-Level**Description:** Historical survey of the evolution of the conduct of warfare. Strategy, tactics, weapons, organization, and military leaders/thinkers are studied. Course is taught in the NROTC Building.

NAVA 304 - NAVAL WEAPONS-NAVAL SHIP SYSTEMS II

Short Title: NAVAL WEAPONS

Department: Naval Science

Grade Mode: Standard Letter

Course Type: Lecture/Laboratory

Credit Hours: 3

Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

Course Level: Undergraduate Upper-Level

Description: The theory and employment of weapons systems. The student explores the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance, and explosives. The physical aspects of radar and underwater sound are described in detail.

NAVA 402 - LEADERSHIP AND ETHICS

Short Title: LEADERSHIP AND ETHICS

Department: Naval Science

Grade Mode: Standard Letter

Course Type: Lecture/Laboratory

Credit Hours: 3

Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

Course Level: Undergraduate Upper-Level

Prerequisite(s): NAVA 203

Description: Leadership principles, with particular emphasis on ethics, human resources management, military law and discipline, and administration. The Capstone course for NROTC seniors. Recommended prerequisite(s): Spring semester of senior year.

NAVA 403 - NAVAL ENGINEERING

Short Title: NAVAL ENGINEERING

Department: Naval Science

Grade Mode: Standard Letter

Course Type: Lecture/Laboratory

Credit Hours: 3

Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

Course Level: Undergraduate Upper-Level

Description: Ship propulsion systems, auxiliary systems, steering systems, electrical power distribution, ship design, ship stability and damage control measures.

NAVA 410 - AMPHIBIOUS WARFARE

Short Title: AMPHIBIOUS WARFARE

Department: Naval Science

Grade Mode: Standard Letter

Course Type: Lecture/Laboratory

Credit Hours: 3

Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

Course Level: Undergraduate Upper-Level

Description: Study of the history of amphibious warfare, using case studies to examine doctrine tactics, and the factors necessary for successful operations. Mutually Exclusive: Cannot register for NAVA 410 if student has credit for NAVA 411.

NAVA 411 - FUNDAMENTALS OF MANEUVER WARFARE

Short Title: FUND OF MANEUVER WARFARE

Department: Naval Science

Grade Mode: Standard Letter

Course Type: Lecture

Credit Hours: 3

Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

Course Level: Undergraduate Upper-Level

Description: A detailed look at broad aspects of warfare and their interactions with maneuver warfare doctrine. Specific focus on the United States Marine Corps as the premier maneuver warfare fighting institution. Mutually Exclusive: Cannot register for NAVA 411 if student has credit for NAVA 410.

NAVA 477 - SPECIAL TOPICS

Short Title: SPECIAL TOPICS

Department: Naval Science

Grade Mode: Standard Letter

Course Type: Internship/Practicum, Lecture, Seminar, Laboratory

Credit Hours: 1-4

Restrictions: Enrollment is limited to Undergraduate, Undergraduate Professional or Visiting Undergraduate level students.

Course Level: Undergraduate Upper-Level

Description: Topics and credit hours may vary each semester. Contact department for current semester's topic(s). Repeatable for Credit.