

# NAVAL SCIENCE (NSCI)

## **NSCI 10101 Introduction to Naval Science (2 Credit Hours)**

An introductory study of the U.S. Naval customs and traditions, military courtesies, organizational structure, officer career paths, and the role of the Naval Service in supporting national policies. Required for all NROTC Freshmen. (Fall)

*Corequisites:* NSCI 41000

## **NSCI 10102 Maritime Affairs (2 Credit Hours)**

A comprehensive study of the development of seapower throughout history, focusing on the important role played by the American Navy in the formation of an independent United States. Includes analysis of the Roman and Greek navies, but focuses on the American Navy from the Revolutionary War through the Global War on Terrorism. This course is required for all NROTC Freshmen. (Spring)

*Corequisites:* NSCI 41000

## **NSCI 20000 Strategic Values of the Seas (1 Credit Hour)**

The Strategic Value of the Seas course discusses the strategic economic, geopolitical, legal and militaristic value of the world's bodies of waters. Through the study of historical and current events, the class will determine the value of the seas as it relates to political influence and economic power. This class will meet on Jan 5-7 and 12-14 from 1:00 to 2:30 pm Eastern Time.

## **NSCI 20009 Adaptive Leadership in Modern Organizations (1 Credit Hour)**

In this course, students will develop and apply a personal leadership philosophy applied against a series of case studies covering various industries. In collaboration with the professor and fellow students, we will gain a better appreciation for the ways that diversity, empathy and experience may be adapted to fit the human dynamics associated with organizational leadership.

## **NSCI 20201 Leadership and Management (3 Credit Hours)**

A comprehensive study of organizational leadership. Emphasis on motivation, planning, communication, feedback, and subordinate needs. Introduction to moral leadership. (Fall)

*Corequisites:* NSCI 41000

## **NSCI 20202 Navigation (3 Credit Hours)**

A study of the theory and principles of navigation. The course covers dead reckoning, piloting, and navigation tools. Electronic, inertial, and celestial navigation systems are discussed. Nautical rules of the road and laws regarding vessel operation are also included. (Spring)

*Corequisites:* NSCI 41000

## **NSCI 30301 Naval Ships Systems I (3 Credit Hours)**

A detailed study of ship propulsion and auxiliary systems. Emphasis on fossil fuel, nuclear, and gas turbine systems. Introduction to ship design and damage control. (Fall)

*Corequisites:* NSCI 41000

## **NSCI 30302 Naval Ships Systems II (3 Credit Hours)**

An overview of basic theory and principles of modern naval ordnance, weapon systems, and their interaction with the physical constraints of the environment from initial target detection to final target engagement. Course contains an overview of types of weapon systems, including a study of target identification, detection, acquisition, tracking, and engagement. (Spring)

*Corequisites:* NSCI 41000

## **NSCI 40401 Naval Operations and Seamanship (3 Credit Hours)**

A study of ship handling and employment, including communications, and sonar and radar searches. Tactical formations, dispositions, and basic seamanship are taught. Relative motion and the maneuvering board are introduced. Naval command and control issues are also discussed. (Fall)

*Corequisites:* NSCI 41000

## **NSCI 40402 Leadership and Ethics (3 Credit Hours)**

A study of practical leadership skills for any manager focusing on the specific leadership and management responsibilities of a Naval officer. Teaches skills needed to transition from student to manager. Explores naval ethical issues, naval law, and Navy policies and programs. (Spring)

*Corequisites:* NSCI 41000

Satisfies the following University Core Requirements: WKSP - Core 2nd Philosophy

## **NSCI 40413 Fundamentals of Maneuver Warfare (3 Credit Hours)**

This course prepares future military officers and other leaders for service by studying modern tactical principles, current military developments, and other aspects of warfare and their interactions with and influences on maneuver warfare doctrine. There is a specific focus on the United States Marine Corps as the premier maneuver warfighting organization. Study also includes historical influences on tactical, operational, and strategic levels of maneuver warfare practices in the current and future operating environments.

*Corequisites:* NSCI 41000

## **NSCI 40415 Evolution of Warfare (3 Credit Hours)**

An exploration of warfare as an instrument of foreign policy throughout history. An analysis of the great captains, military organizations, and military theorists of history. This course is required for Marine options and alternates every other fall semester with NSCI 40413 "Amphibious Warfare."

*Corequisites:* NSCI 41000

## **NSCI 41000 Drill/Leadership Laboratory (0 Credit Hours)**

Practical exercises in leadership, including close order drill and professional development classes.

Course may be repeated.