

NAVAL SCIENCE (NAVL)

NAVL 100 – Naval Science Lab Course count: 0

Naval Science Laboratory. One weekly two-hour laboratory. Emphasis is placed on professional training which is not of an academic nature. The laboratory is intended for topics such as drill and ceremonies, physical fitness and swim testing, cruise preparation, safety awareness, preparation for commissioning, personal finances, insurance and applied exercises in naval ship systems, navigation, naval operations, naval administration, and military justice. Other topics and special briefings are conducted as determined by the Naval Service Training Command or the Professor of Naval Science. Required of all Midshipmen. No degree credit.

Restricted to NROTC Students.

GPA units: 0

Typically Offered: Fall, Spring

NAVL 111 – Introduction to Naval Science Course count: 0

An introduction to the customs, traditions, missions, rules and regulations of the Department of Defense and the United States Navy and Marine Corps. Topics include rank structure, uniform regulations, military law, terminology, ships and aircraft types, naval history, and present naval missions. Required of all Midshipmen; intended for first-year students. No degree credit.

Restricted to NROTC Students.

GPA units: 0

Typically Offered: Fall

NAVL 112 – Naval Engineering Course count: 0

Detailed study of ships' characteristics and types including ship design, hydrodynamic forces, stability, compartmentation, propulsion, electrical and auxiliary systems, interior communications, ship control, and damage control. Included are basic concepts of the theory and design of steam, gas turbine, and nuclear propulsion. Also discussed are shipboard safety and fire fighting. Required of all Navy option Midshipmen; intended for third-year students. No degree credit.

Restricted to NROTC Students.

GPA units: 0

Typically Offered: Fall

NAVL 113 – Naval Weapon Systems Course count: 0

An introduction to the principles and behavior of electronic and electromagnetic systems to provide a foundational understanding of the interrelationships with naval combat systems. Topics and concepts explored pertain to a wide range of maritime applications, such as radar, sonar, communications, electro-optics, computer, missiles and electronics warfare systems. Required of all Navy option Midshipmen; intended for third-year students. No degree credit.

Restricted to NROTC Students.

GPA units: 0

Typically Offered: Spring

NAVL 114 – Sea Power Course count: 1

A survey of U.S. Naval History from the American Revolution to the present, with emphasis on the Navy's role as an instrument of U.S. national security policy and foreign policy. Includes in-depth discussion of naval developments, key maritime strategies that have shaped the sea services, and naval contributions throughout various periods in American history, including major battles and campaigns in armed conflicts through the Gulf War. Required of all Midshipmen; intended for first-year students. One unit.

Restricted to NROTC students. Department consent is required for non-NROTC students.

GPA units: 1

Common Area: Historical Studies

Typically Offered: Spring

NAVL 141 – Navigation Course count: 0

Practical piloting in restricted and open water to include discussions on tides, currents, electronic navigation, and celestial navigation theory. Coast Guard Navigation Rules, maneuvering board concepts, and a brief introduction to weather are covered. Required of all Navy option Midshipmen; intended for second-year students. No degree credit.

Restricted to NROTC Students.

GPA units: 0

Typically Offered: Spring

NAVL 142 – Naval Operations Course count: 0

This course includes discussions on Rules of the Road and basic ship handling practices. Covers command and control and Naval Operations as they apply to each warfare platform. Required of all Navy option Midshipmen; intended for fourth-year students. No degree credit.

Restricted to NROTC Students.

GPA units: 0

Typically Offered: Fall

NAVL 145 – Evolution Of Warfare Course count: 0

This course is designed to cover the causes of continuity and of changes in the means and methods of warfare during major periods of history. It addresses the evolution of strategic principles and the influence of economic, moral, psychological, political and technological factors and strategic thought. It also examines the interrelationships between technological progress and military changes in rendering obsolete the successful strategies, policies, doctrines and tactics of the past. Required of all Marine option Midshipmen.

Restricted to NROTC Students.

GPA units: 0

Typically Offered: Alternate Years, Fall

NAVL 151 – Leadership & Management Course count: 1

This course focuses on the theoretical and practical concepts of leadership and management. It includes discussions of the principles and processes required of managers including: planning, organizing, controlling, motivation, communication, and decision making. Examples from both general business and the Naval establishment are used. The social, ethical and moral responsibilities of managers are also discussed. Required of all Midshipmen; intended for second-year students.

Restricted to NROTC students. Department consent is required for non-NROTC students.

GPA units: 1

Typically Offered: Fall

NAVL 155 – Fundamentals of Maneuver Warfare Course count: 0

The purpose of this course is to introduce the student to the foundational concepts and history of the USMC as the premier maneuver warfighting organization. This class focuses on the theory of maneuver warfare by utilizing both historical examples from previous military operations as well as current doctrine thereby developing an individual who is both a critical thinker and a scholar in the profession of arms. The goal is to educate the student to read military history analytically and foster professional development that creates officers that can think in a dynamic, rapidly deteriorating situation. Required for all Marine option Midshipmen.

Restricted to NROTC Students.

GPA units: 0

Typically Offered: Alternate Years, Fall

NAVL 190 – Tutorial Course count: 1

GPA units: 1

NAVL 246 – Marine Corps Leadership Course count: 0

This course is designed to prepare students for success at USMC Officer Candidates School (OCS) and The Basic School (TB S). Emphasis is placed on leadership skills, basic infantry tactics, and general subjects including Marine Corps organization, history, customs and courtesies, and traditions. Practical application of skills such as land navigation and issuing combat orders is a central feature. Required of all Marine option Midshipmen.

Restricted to NROTC students. Department consent is required for non-NROTC students.

GPA units: 0

Typically Offered: Spring

NAVL 352 – Ethics-Military Profession Course count: 1

This course completes the final preparations of ensigns and second lieutenants for service in the Navy and Marine Corps. The course integrates an intellectual exploration of Western moral traditions and ethical philosophy with a variety of topics, such as military leadership, core values, professional ethics, the UCMJ and Navy regulations, and discussions relating to the roles of enlisted members, junior and senior officers, command relationships, and the conduct of warfare. The course provides midshipmen with a foundation of moral traditions, combined with a discussion of actual current and historical events in the USMC, to prepare them for the role and responsibilities of leadership in the Naval Service of the 21st century.

Restricted to NROTC students. Department consent is required for non-NROTC students.

GPA units: 1

Typically Offered: Spring