

Navy ROTC (NAVY)

Courses

NAVY 1301 Introduction to Naval Sciences: 3 semester hours.

A general introduction to the naval profession and to concepts of sea power. Instruction emphasizes the mission, organization, and warfare components of the Navy and Marine Corps.

NAVY 1302 Sea power and Maritime Affairs: 3 semester hours.

A survey of U.S. Naval History from the American Revolution to the present, with emphasis on major developments. Included is an in-depth discussion of the geopolitical theory of Mahan.

NAVY 2301 Leadership and Management I: 3 semester hours.

A comprehensive, advanced-level study of organizational behavior and management in the context of the naval organization. Topics include a survey of the management functions of planning, organizing, and controlling; an introduction to individual and group behavior in organization; and extensive study of motivation and leadership. Practical applications are explored by the use of experiential exercises, case studies, and laboratory discussions.

NAVY 2302 Navigation and Naval Operations I: 3 semester hours.

An in-depth study of plotting, including theory, principles, and procedures. Other topics discussed include tides, currents, effects of wind and weather, plotting, use of navigation instruments, types and characteristics of electronic navigation systems, and A Day's Work in Navigation.

NAVY 3301 Navigation and Naval Operations II: 3 semester hours.

A study of relative-motion vector-analysis theory, relative motion problems, formation tactics, and ship deployment. Also included is an introduction to Naval Operations and operations analysis, communications and seamanship.

Prerequisites: NAVY 2302 or NAVY 2023.

NAVY 3302 Naval Ships Systems I: 3 semester hours.

A detailed study of ship characteristics and types, including ship design, hydrodynamic forces, stability, compartmentation, propulsion, electrical and auxiliary systems, interior communications, ship control, and damage control.

NAVY 3310 Evolution of Warfare: 3 semester hours.

This course traces historically the development of warfare from the dawn of recorded history to the present, focusing on the impact of major military theorists, strategists, tacticians, and technological developments.

NAVY 3399 Independent Study: 3 semester hours.

Navy 3000 level course reading and/or field work on selected topics.

NAVY 4301 Naval Ships Systems II: 3 semester hours.

This course outlines the theory and employment of weapons systems. The student explores the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance, and explosives. Fire control systems and major weapon types are discussed.

NAVY 4302 Leadership and Management II: 3 semester hours.

This course is designed to acquaint graduating Midshipmen with the basic elements of naval leadership, ethics, and junior officer responsibilities through the study of the Navy's Core Values, ethics, military justice, naval human resources management, directives and correspondence, naval personnel administration, material management and maintenance, and supply systems.

Prerequisites: NAVY 2301 or NAVY 2013.

NAVY 4311 Fundamentals of Maneuver Warfare: 3 semester hours.

Broad aspects of warfare and their interactions with maneuver warfare doctrine. Specific focus on the United States Marine Corps was the premier maneuver warfare fighting institution. Historical influences on current tactical, operational, and strategic implications of maneuver warfare practices in current and future operations. Case studies. Repeat credit for students who have completed NAVY 4103 Amphibious Warfare.

NAVY 4399 Independent Study: 3 semester hours.

Navy 4000 level course reading and/or field work on selected topics.