

NAVAL SCIENCE (NAVS)

NAVS 101. Introduction to Naval Science. 1 Credit.

Fundamental orientation to the Naval service emphasizing the mission, organization, regulations, customs and traditions, broad warfare components, and major challenges facing Navy/Marine Corps officers.

Grading status: Letter grade.

NAVS 190. Seminar in Topics of Naval Science. 1-12 Credits.

Permission of the department. Seminar of topics regarding the United States Navy.

Repeat rules: May be repeated for credit; may be repeated in the same term for different topics; 12 total credits. 4 total completions.

Grading status: Letter grade.

NAVS 196. Independent Study in Naval Science. 1-12 Credits.

Permission of the department. Readings and research by an individual student on a subject related to the United States Navy.

Grading status: Letter grade.

NAVS 201. Naval Leadership and Management. 3 Credits.

A study of organizational principles, management theory, and leadership styles, with emphasis on applications in the Navy and Department of Defense.

Grading status: Letter grade.

NAVS 202. Navigation. 3 Credits.

A comprehensive study of the theory, principles, and procedures of ship navigation, movements, and employment. Course includes spherical trigonometry, mathematics, analysis, study and practices of navigation, sextants, navigation publications, and report logs. Covers rules of the road, lights, signals, navigational aids, and electronic and mechanical positioning devices.

Requisites: Corequisite, NAVS 202L.

Grading status: Letter grade.

NAVS 202L. Navigation Laboratory. 1 Credit.

Practical application of the theories and principles of navigation as presented in the lecture series.

Requisites: Corequisite, NAVS 202.

Grading status: Letter grade.

NAVS 211. Marine Option Naval Science Laboratory. 0 Credits.

One laboratory hour per week designed to introduce topics and activities relevant to the professional development of the prospective Marine Corps officer. Required for Marine Option 2/C.

Grading status: Letter grade.

NAVS 301. Naval Ships Engineering Systems. 3 Credits.

An introductory course and survey of ship design, characteristics, propulsion (including nuclear power) and control systems, and the principles of ship stability.

Grading status: Letter grade.

NAVS 302. Naval Weapons Systems. 3 Credits.

A descriptive survey course in engineering aspects of ships' weapons guidance, control, and propulsion systems and characteristics of ships' weapons systems.

Grading status: Letter grade.

NAVS 311. Evolution of Warfare. 3 Credits.

Survey of the evolution of warfare through the study of selected campaigns and classic battles, with special emphasis on the principles of war, the military impact of leadership, and the evolution of tactics and weaponry.

Grading status: Letter grade.

NAVS 401. Naval Operations. 4 Credits.

A study of the maneuvering of ships in formation, and the operations in which naval vessels engage daily.

Grading status: Letter grade.

NAVS 402. Naval Leadership and Ethics. 3 Credits.

Capstone leadership course in NROTC curriculum, emphasizing leadership skills and their ethical implications for the competent commissioned officer in areas of human resources and material management.

Gen Ed: PH.

Grading status: Letter grade.

NAVS 411. Amphibious Warfare. 3 Credits.

A survey of the projection of sea power ashore, with special emphasis on the evolution of amphibious warfare in the 20th century, through the study of historical amphibious landings and campaigns.

Grading status: Letter grade.

NAVS 500. Naval Science Laboratory. 0 Credits.

Required of all NROTC students. Meets once a week to provide supplemental military training, including close order drill, physical fitness, inspections, guest lectures, and leadership training.

Repeat rules: May be repeated for credit. 0 total credits. 8 total completions.

Grading status: Letter grade.