NAVAL SCIENCE (NS)

NS 111. INTRO TO NAVAL SCIENCE. (3 Credits)
Naval organization and administration; organization of the Navy or Marine Corps, the Navy and Marine Corps as a career, responsibilities and commitments as an officer in the Navy or Marine Corps.

NS 112. U.S. NAVAL HISTORY I. (3 Credits)
A study of U.S. seapower and maritime affairs from the American Revolution through 1900. Lec/lab.

NS 113. U.S. NAVAL HISTORY II. (3 Credits)
A study of U.S. seapower and maritime affairs from 1900 through present day. Lec/lab.

Prerequisites: NS 112 with D- or better

NS 211. LEADERSHIP AND MANAGEMENT. (5 Credits)
Overview of the principles, philosophies, and methodologies of effective Naval leadership with emphasis on moral, ethical actions with respect to the principles of authority, responsibility, and accountability as they apply to military organizations.

NS 212. NAVAL ENGINEERING. (5 Credits)
Propulsion, basic engineering systems theory, and concepts application in modern ship and jet propulsion. Course will include auxiliary systems, theory and design of shipboard auxiliaries, ship design, and damage control/safety procedures. Offered every other winter term.

Prerequisites: NS 111 with D- or better

NS 311. NAVIGATION. (5 Credits)
Introduction to navigation including piloting, dead reckoning, and voyage planning. Course includes nautical rules of the road, maneuvering board, relative motion, and shipboard external communications.

NS 313. NAVAL OPERATIONS AND SEAMANSHIP. (3 Credits)
Theory of shiphandling, communications, shipboard evolutions, heavy weather, case study discussions.

Prerequisites: NS 311 with D- or better

NS 321. EVOLUTION OF WARFARE I. (3 Credits)
The art and concepts of warfare from the beginning of recorded history to present [the Age of Napoleon].

NS 322. EVOLUTION OF WARFARE II. (3 Credits)
The art and concepts of warfare post-WW II to present, current world political situation and U.S. foreign policy and their effects on the future of expeditionary warfare. Broad aspects of warfare and their interactions with maneuver warfare doctrine. Focus on the United States Marine Corps as the premier maneuver warfare fighting institution. Historical influences on current tactical, operational, and strategic implications of maneuver warfare practices. Provides professional development for future United States Marine Corps officers. Case studies.

NS 323. NAVAL SCIENCE III: MARINE CORPS OPTION. (3 Credits)
Preparation for officer candidates’ school and practical field exercises. For U.S. Marine Corps candidates option.

Prerequisites: NS 322 with D- or better

NS 405. READING AND CONFERENCE. (1-16 Credits)
To prepare midshipmen returning from a leave of absence from the Naval ROTC program for commissioning and entrance into the fleet.

This course is repeatable for 16 credits.

NS 411. NAVAL WEAPONS SYSTEMS. (5 Credits)
Introduction to the theory and development of U.S. Naval weapons systems, current weapons systems types, platforms, and employment. Course will include naval weapons systems types, launch platforms, characteristics and employment.

Prerequisites: NS 111 with D- or better

NS 413. LEADERSHIP AND ETHICS. (4 Credits)
Junior Officer administrative responsibilities with emphasis on moral and ethical decision making of Naval leaders.

Prerequisites: NS 211 with C- or better

NS 421. FUNDAMENTALS OF MANEUVER WARFARE I. (3 Credits)
Maneuver warfare from the beginning of recorded history to WW II. Broad aspects of warfare and their interactions with maneuver warfare doctrine. Focus on the United States Marine Corps as the premier maneuver warfare fighting institution. Historical influences on current tactical, operational, and strategic implications of maneuver warfare practices. Provides professional development for future United States Marine Corps officers. Case studies.

NS 422. FUNDAMENTALS OF MANEUVER WARFARE II. (3 Credits)