

Fall 2020 Course Descriptions as of 04/02/2020 08:12 PM

Information in Browse Course Catalog is subject to change. Information is term specific. Please refer to the appropriate term when searching for course content. Key to Course Descriptions may be found at: http://rcs.registrar.arizona.edu/course_descriptions_key.

Naval Science (NS)

NS 100: Naval Laboratory (1 unit)

Description: Various topics such as drill and ceremonies, physical fitness, cruise preparation, sail training, safety awareness, personal finances, and applied exercises in naval ship systems, navigation, naval operations, naval administration, and military justice.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Laboratory Required

Repeatable: Course can be repeated a maximum of 10 times.

Course typically offered:

Main Campus: Fall, Spring

NS 101: Introduction to Naval Science (3 units)

Description: Introduction to the naval profession and to concepts of seapower, with emphasis on mission, organization, and warfare components of the Navy and Marine Corps; naval courtesy and customs, military justice, shipboard damage control and safety.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

NS 102: Naval Ship Systems I: Engineering (3 units)

Description: Ship characteristics and types including ship design, hydrodynamic forces, stability, compartmentation, propulsion, electrical and auxiliary systems, interior communications, ship control, and damage control; basic concepts of the theory and design of steam, gas turbine, and nuclear propulsion.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

NS 103: Naval Laboratory (2 units)

Description: Various topics such as drill and ceremonies, physical conditioning, cruise preparation, safety awareness, naval warfare doctrine and operations, administration and military justice. USMC history, traditions, missions, land navigation, troop leading skills and small unit tactics.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Laboratory Required

Repeatable: Course can be repeated a maximum of 10 times.

NS 105: Marine Lab for Platoon Leaders (1 unit)

Description: USMC history, traditions, missions, land navigation, troop leading skills and small unit tactics.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Laboratory Required

Repeatable: Course can be repeated a maximum of 10 times.

Course typically offered:

Main Campus: Spring

NS 110: Marine Physical Training (1 unit)

Description: This course is an introduction to Marine Corps physical fitness and physical leadership through running, swimming, calisthenics, circuit training, obstacle course, and team-effort events.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Repeatable: Course can be repeated a maximum of 10 times.

Course typically offered:

Main Campus: Fall, Spring

NS 201: Naval Ship Systems: Weapons (3 units)

Description: Theory and employment of weapons systems, the processes of detection, evaluation, threat analysis, selection, delivery, and guidance. Physical aspects of radar and under-water sound.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

Recommendations and additional information: NS 102.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

NS 202: Seapower and Maritime Affairs (3 units)

Description: U.S. Naval history from the American Revolution to the present. Discussion of the theories of Mahan, political issues of merchant marine commerce, and a comparison of U.S. and Soviet naval strategies.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

NS 301: Navigation and Naval Operations I (3 units)

Description: Theory, principles, and procedures of navigation. Students learn piloting navigation including the use of charts, visual and electronic aids, the theory and operation of magnetic and gyro compasses, and celestial navigation.

Grading basis: Regular Grades

Career: Undergraduate

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Spring

NS 302: Navigation and Naval Operations II (3 units)

Description: International and inland rules of the road, relative-motion vector-analysis, formation tactics, and ship employment. Introduction to naval operations and ship handling.

Grading basis: Regular Grades

Career: Undergraduate

Course Components:	Lecture	Required
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Course typically offered:

Main Campus: Fall

Recommendations and additional information: NS 301.

NS 310: Evolution of Warfare (3 units)

Description: The development of warfare to present, focusing on theorists, strategists, tacticians, and technological developments. Student acquires sense of strategy and impact of precedent on military actions.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

NS 400: Advanced Naval Laboratory (1 unit)

Description: Command and leadership training associated with the student battalion. Includes settings which manifest conditions of stress, time management, personal accountability, decision making, and command leadership.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Laboratory Required

Repeatable: Course can be repeated a maximum of 6 times.

Course typically offered:

Main Campus: Fall, Spring

Recommendations and additional information: Open to NROTC students only.

NS 401: Leadership and Management I (3 units)

Description: Organizational behavior and management in the context of the naval organization. A survey of management functions of planning, organizing, and controlling; and introduction to individual and group behavior in organizations; motivation and leadership.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall

NS 402: Leadership and Ethics (3 units)

Description: The capstone course of the NROTC academic syllabus, intended to establish the ethical foundation, basic leadership tools, and knowledge of the military justice system needed to be an effective junior officer and an outstanding leader. Additionally, the course provides an overview of naval service administrative matters and of the duties, responsibilities, and expectations of a naval service junior officer.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Fall, Spring

Recommendations and additional information: NS 401.

-SA represents a Student Abroad & Student Exchange offering

-CC represents a Correspondence Course offering

May Be Offered Departments may offer this component in some semesters. See the Schedule of Classes for term-specific offerings.

NS 403: Advanced Naval Laboratory for Marines (2 units)

Description: Commanding and leadership training associated with the student battalion. Includes settings which manifest conditions of stress, time management, personal accountability, decision making, and command leadership.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Laboratory Required

Repeatable: Course can be repeated a maximum of 6 times.

Recommendations and additional information: Open to NROTC students only.

NS 410: Fundamentals of Maneuver Warfare (3 units)

Description: 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.

Grading basis: Regular Grades

Career: Undergraduate

Course Components: Lecture Required

Course typically offered:

Main Campus: Spring

NS 499: Independent Study (1 - 3 units)

Description: Qualified students working on an individual basis with professors who have agreed to supervise such work.

Grading basis: Alternative Grading: S, P, F

Career: Undergraduate

Course Components: Independent Study Required

Repeatable: Course can be repeated a maximum of 99 times.

Course typically offered:

Main Campus: Fall, Spring

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