

Military Affairs

Overview

The Military Affairs Program, within the Division of Undergraduate and Interdisciplinary Studies (UGIS), comprises the three distinct military officers' commissioning programs: Air Force Reserve Officers' Training Corps (ROTC), Army ROTC, and Naval ROTC. The purpose of the program is to integrate the educational offerings of the separate military services into the regular University curricula. In performing academic functions, the Military Affairs Unit operates the same as any other program within UGIS. Its military faculty members, though nominated by the three military services, are subject to the same selection process as other UC Berkeley faculty members, and the Academic Senate's Committee on Courses must approve its curriculum. Military Affairs courses are open to all Berkeley students, as well as to students from other East Bay colleges under cross-enrollment agreements or through UC Berkeley Extension.

No undergraduate majors or minors or graduate degrees are offered in any of the following programs; they are designed to supplement a student's degree program.

Aerospace Studies (Air Force ROTC)

The Department of Aerospace Studies offers students in virtually all academic areas the opportunity to qualify for a commission as a 2nd Lieutenant in the United States Air Force while simultaneously completing university degree requirements. Each eligible student must have at least three full academic years remaining in his/her bachelor's degree program; under certain circumstances, an Air Force Reserve Officers' Training Corps (AFROTC) cadet may finish the AFROTC program while simultaneously completing one year of a graduate degree program.

Students interested in AFROTC are eligible to compete for scholarships which cover the costs of tuition, books, and most fees. In addition, a \$250-\$400 monthly living allowance is paid to each student on scholarship. Cadets competing for scholarships should contact the Recruiting Flight Commander at (510) 642-3572.

The AFROTC Detachment at Berkeley emphasizes student participation and involvement. Classes are conducted as seminars and call for active student discussion. In addition, there is a weekly two-hour leadership laboratory that is mandatory for all AFROTC cadets. In this laboratory, students become involved in the management of their own cadet organization. Cadets also participate in volunteer projects, visits to Air Force bases, and various community outreach programs.

Completion of the program to earn a commission as an Air Force 2nd Lieutenant requires enrollment during each semester in a specified course in Aerospace Studies or Military Affairs. The normal sequence for the four-year program is as follows: freshman, Aerospace Studies 1A (fall) and Aerospace Studies 1B (spring); sophomores, Aerospace Studies 2A (fall) and Aerospace Studies 2B (spring); juniors, Aerospace Studies 135A (fall) and Aerospace Studies 135B (spring); seniors, Military Affairs 145A (fall) and Military Affairs 145B (spring). The freshman and sophomore courses are each one credit hour, and the junior and senior courses are both three credits each.

Aerospace Studies courses are open to all University students; students from other institutions may participate in the AFROTC program through cross-enrollment arrangements or through the University Extension.

For further information on enrollment requirements and procedures, contact the Recruiting Flight Commander at (510) 642-3572, afrotc@military.berkeley.edu, and check out the AFROTC Detachment 85 website (<http://airforcerotc.berkeley.edu>).

Military Science (Army ROTC)

The Army Officer Education Program offers a variety of credit courses focused on the study of the military as an institution, adventure training opportunities, and a program of laboratory work in practical military skills. The program provides an opportunity to examine service in the Army while earning a baccalaureate degree. A student who completes the program may earn a commission in the Regular Army, Army Reserve, or National Guard.

Graduate or undergraduate students can complete the Military Science requirements through a four-year, three-year, or two-year program. The four-year and three-year programs involve the basic and advanced courses; the two-year program involves only the advanced course. The Army Reserve Officers' Training Course (ROTC) Basic Course consists of two distinct components, the classroom introduction to the army profession and officership of the Military Science and Leadership (MSL) I year, and the experiential examination of leadership, decision-making, and group process of the MSL-II year. Both Basic Course years are designed to enhance student interest in ROTC and the Army. MSL-I lessons provide an overview of the key subjects of pre-commissioning, which will be treated in much greater depth in the Advanced Course. The MSL-II year places cadets in a wide variety of group exercises designed to emphasize various professional leadership competencies and insights. These events are held both inside the classroom and in the outdoor settings. The instructor, acting as facilitator, helps guide student processing, or after-action reviews, of the events to derive the leadership, group dynamics, and problem-solving lessons that the exercises offer. In addition to military skills, practical "life skills" are emphasized throughout the two years. By the end of the Basic Course, cadets should possess a basic understanding of the unique aspects of the officer corps, individual fitness, and healthy lifestyle. The lessons are designed to maximize cadet participation, inspire intellectual curiosity, and stimulate self-study. Upon completion of the course, cadets are eligible to enter the advanced course.

The Army ROTC Advanced Course is composed of four advanced courses, Military Science (MS) 131, 132, 141, and 142, and the Leadership Development and Assessment Course (LDAC). The Advanced Course is designed to teach all knowledge, skills, and attitudes for commissioning as a new second lieutenant, and to establish a sound foundation for a career as a commissioned Army officer. The content and methods of the Advanced Course assume no prior cadet experience or other military training. This approach is taken because the Advanced Course comprises the minimum curriculum that an individual must complete in order to be commissioned. Advanced Course lessons are carefully sequenced and linked and are progressive in their treatment of key officer knowledge and competencies. Students are encouraged to synthesize lessons to form broader perspectives, deeper insights, and more robust problem-solving abilities by the use of earlier lessons. The sequencing of lessons is also designed to meet the immediate needs of cadets by addressing topics needed for success in the performance of cadet responsibilities early in the MS 131 term and at the LDAC. Topics

are designed to facilitate entry into active military service during the MS 142 term.

The two-year program begins with direct placement in the advanced course. It is available to undergraduate or graduate students, who have completed any of the following: enlisted military service; the Army's Leadership Training Course (LTC), which is a four-week ROTC basic camp at Fort Knox, Kentucky; or three years of Junior ROTC. Students must also be academic juniors or higher with at least two academic years left until completion of their degree when they enter the advanced course.

Naval Science (Naval ROTC)

The Department of Naval Science offers several programs of instruction for men and women leading to commissions in the U.S. Navy or U.S. Marine Corps. Naval Science courses are open to all university students or may be taken through UC Berkeley Extension.

Students enrolled in one of the four-year Naval ROTC programs will normally complete the following courses during their first two years as part of their overall academic load: NS 1, 2, 3, and 10.

Navy Option students enrolled in either the four-year or two-year program will normally complete the following courses during their junior and senior years: NS 12A, 12B, 401 and 412. Marine Option students will participate in a Marine seminar and complete the History of Littoral Warfare (MA 154) and Evolution of Warfare (MA 20). All Navy Option scholarship students must complete one year of calculus and one year of calculus-based physics by the end of their sophomore and junior years respectively.

Students are also required to attend weekly professional development laboratories. These three-hour sessions offer the student midshipman an active role in the management and direction of the midshipman battalion and provide time for the midshipmen to explore professional topics. Student midshipmen participate in four-to-six week summer training cruises throughout the world. At sea they apply theoretical aspects of their education and training to the real world environment of a Navy ship. Marine Option midshipmen attend Marine Corps Officer Candidates School in the summer between their junior and senior year.

Currently, there are five programs available:

1. **Naval Reserved Officers' Training Corps (NROTC) Five-Year Scholarship Program:** Nationwide competition is open to physically qualified men and women between the ages of 17 and 21 with waivers available for prior active duty to maximum commissioning year age of 29. U.S. citizenship is required. High school seniors and college freshmen are eligible to apply. Successful applicants receive full payment of tuition, fees, books and \$250-\$400 per month during the school year. Three summer training cruises are required. Upon graduation, the student receives a commission in the Navy or Marine Corps with a four-year active duty obligation. (Obligated service is not incurred until the start of the sophomore year in the five-year scholarship program.) Application deadline is December 1. Apply online here. (<http://www.nrotc.navy.mil>)
2. **Tweeddale Scholarship Program:** This program provides NROTC Navy scholarship benefits specifically for students who are affiliated with an engineering/technical discipline program or who are members of an underrepresented minority group. Applicants cannot have been affiliated with NROTC or any other officer accession program. Students must be currently enrolled and must have completed one college-level mathematics course and

one semester/term of college coursework with all course grades of "C" or better. These scholarships can be conditionally granted by the Professor of Naval Science at 152 Hearst Gymnasium following an interview and screening process. Accepted applicants must meet NROTC physical qualification standards and will be required to take Naval Science courses. For additional details, call (510) 642-3551.

3. **NROTC Four-Year College Program:** Open to physically qualified men and women between the ages of 17 and 23, with the same active duty age waiver possible as above. Participants receive uniforms, Naval Science books, and a \$350 and \$400-per-month stipend in their junior and senior years, respectively. They complete one summer training cruise after their junior year. Upon graduation, the student receives a commission in the Navy or Marine Corps Reserve with a three-year active duty obligation. (Obligated service is not incurred until the start of the junior year in the five-year college program.) Scholarships may be offered to highly qualified college program students.
4. **NROTC Two-Year Scholarship Program:** Nationwide competition open to academically and physically qualified men and women who will be entering their junior year (or their third year in a five-year curriculum). US citizenship is required. One year of calculus is required before entrance into the program. Two-year scholarship students must not reach their 25th birthday before June 30 of the year in which graduation and commissioning are anticipated. Waivers to age 29, however, are possible for prior service. Candidates for the two-year scholarship attend a six-week summer training period at the Naval Science Institute in Newport, Rhode Island, before the start of their junior year. Graduates of the Naval Science Institute will receive full payment of tuition, fees, books, and a \$350 and \$400-per-month stipend during their junior and senior years, respectively. One summer training cruise is required. Upon graduation, the student receives a commission in the Navy or Marine Corps with a five-year active duty obligation. Application deadline is normally March 1 of the sophomore year.
5. **NROTC Two-Year College Program:** Open to physically and academically qualified men and women who will be entering their junior year of undergraduate study (*or their third year in a five-year curriculum*). The age limit is the same as above. US citizenship is required. Candidates attend the Naval Science Institute in Newport, Rhode Island, during the summer before their junior year. Graduates of Naval Science Institute enroll in the NROTC unit as juniors and receive uniforms, Naval Science books, and a \$350 and \$400-per-month stipend in their junior and senior years, respectively. One summer training cruise is required. Upon graduation, the student receives a commission in the Naval or Marine Corps with a five-year active duty obligation. Application deadline is normally March 1 of the sophomore year.

For further information, call (510) 642-3551.

Select a subject to view courses

- Aerospace Studies (p. 3)
- Military Affairs (p. 4)
- Military Science (p. 6)
- Naval Science (p. 8)

Aerospace Studies

AEROSPC 1A Foundations of the U.S. Air Force 1 Unit

This course introduces students to the United States Air Force (USAF) and Air Force Reserve Officer Training Corps (AFROTC) with an overview of the basic characteristics, missions, and organization of the Air Force; additional topics include officership and professionalism, Air Force career opportunities, military customs and courtesies, and an introduction to USAF basic communication skills. Additionally, AFROTC cadets must attend weekly Leadership Lab. Leadership Lab is a weekly laboratory that touches on the topics of Air Force customs and courtesies, health and physical fitness, and drills and ceremonies.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture per week

Additional Details

Subject/Course Level: Aerospace Studies/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

AEROSPC 1B Foundations of the U.S. Air Force 1 Unit

A survey course designed to introduce cadets to the U.S. Air Force and the Air Force Reserve Officer Training Corps (AFROTC). Featured topics include the history and structure of the U.S. Air Force, the Air Force's capabilities, career opportunities, benefits, Air Force installations, and communications skills. Additionally, AFROTC cadets must attend Leadership Lab. Leadership Lab is a weekly laboratory that touches on the topics of Air Force customs and courtesies, health and physical fitness, and drills and ceremonies.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture per week

Additional Details

Subject/Course Level: Aerospace Studies/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

AEROSPC 2A The Evolution of U.S. Air Force Air and Space Power 1 Unit

This course examines the general aspects of air/space power through historical study and analysis, providing students with knowledge of the capabilities, functions, and doctrinal employment of air/space forces. It covers the period from the first balloons and dirigibles to the employment of air/space power during the Cold War, utilizing historical/operational examples to highlight the development of USAF core competencies, capabilities, and missions that underpin the evolution of today's USAF. This course emphasizes oral/written communication skills development. AFROTC cadets must also attend Leadership Lab, a weekly lab providing practical experience in areas like customs and courtesies, health/physical fitness, and drill and ceremonies.

Rules & Requirements

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture per week

Additional Details

Subject/Course Level: Aerospace Studies/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

AEROSPC 2B The Evolution of U.S. Air Force Air and Space Power 1 Unit

This course examines the general aspects of air/space power through a historical perspective, as well as fundamental truths associated with war (e.g., principles of war and tenets of air/space power). As a whole, this course provides students with a knowledge level understanding for the element and employment of air/space power, from an institutional, doctrinal, and historical perspective. Students will also conduct writing and briefing assignments to meet Air Force communication skills requirements. Additionally, AFROTC cadets must attend Leadership Lab, a weekly laboratory that provides practical experience in key areas to include Air Force customs and courtesies, health/physical fitness, and drill and ceremonies.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture per week

Additional Details

Subject/Course Level: Aerospace Studies/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

AEROSPC 100 Leadership Laboratory 0.0 Units

Leadership Lab (LLAB) represents the hands-on portion of the Aerospace Studies courses. It presents a dynamic and integrated grouping of leadership developmental activities. LLAB is a student planned, organized, and executed practicum intended to maximize cadet leadership experience and preparation for easy transition to their active duty assignments. It is conducted under the supervision of AFROTC cadre. The course focuses on the leadership experiences of senior and junior cadets and provides training in basic military knowledge and skills to underclass cadets. Cadets are trained on proper uniform wear, grooming and appearance requirements, physical fitness, knowledge of military customs and courtesies, and military drill and ceremony.

Rules & Requirements

Prerequisites: Consent of instructor

Credit Restrictions: For Air Force cadets only.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of laboratory per week

Additional Details

Subject/Course Level: Aerospace Studies/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

AEROSPC 135A Air Force Leadership Studies 3 Units

This course is a study of leadership, management fundamentals, professional knowledge, and communication skills required of an Air Force junior officer. Lecture, text, case studies, and class discussion will be used to examine all aspects of leadership including counseling, mentoring, empowering, problem solving, accountability and authority. Students will develop upon basic written and oral communications skills primarily through written assignments and oral presentations.

Rules & Requirements

Prerequisites: 135A is a prerequisite to 135B or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Aerospace Studies/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Gully

AEROSPC 135B Air Force Leadership Studies 3 Units

This course is a study of leadership, management fundamentals, professional knowledge, and communication skills required of an Air Force junior officer. Lecture, text, case studies, and class discussion will be used to examine all aspects of leadership including counseling, mentoring, empowering, problem solving, accountability and authority. Students will develop upon basic written and oral communications skills primarily through written assignments and oral presentations.

Rules & Requirements

Prerequisites: 135A or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Aerospace Studies/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Military Affairs**MIL AFF 1 Military Physical Fitness and Nutrition 1 Unit**

This course teaches the fundamentals of physical fitness and nutrition employed by the U.S. military to condition R.O.T.C. cadets for the physical demands they will face as military officers. The course consists of rigorous physical training under the supervision of military officers and noncommissioned officers. The goal of this course is to not only enhance one's level of physical fitness, but to develop leadership qualities in the conduct and planning of physical fitness training. The course will include topics in leader responsibilities in fitness training, components of fitness, principles of exercise, physical fitness program development, phases of conditioning, environmental factors and nutrition. Physical training will include, but is not limited to: running up to five miles, foot marches up to six miles with a pack, swimming, team sports, weight training, aerobics, and other activities designed to develop an individual's components of fitness, teamwork, and aggressive competitive qualities.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of session per week

Additional Details

Subject/Course Level: Military Affairs/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

MIL AFF 20 Evolution of Warfare 3 Units

Progressive analysis of the evolution of warfare from the ancient world to the present. Emphasis placed on causes of continuity and/or change of methods, as well as the influence of economic, moral, political, and technological factors on strategic thought.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Military Affairs/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

MIL AFF 24 Freshman Seminars 1 Unit

The Berkeley Seminar Program has been designed to provide new students with the opportunity to explore an intellectual topic with a faculty member in a small-seminar setting. Berkeley Seminars are offered in all campus departments, and topics vary from department to department and semester to semester.

Rules & Requirements

Repeat rules: Course may be repeated for credit as topic varies. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of seminar per week

Additional Details

Subject/Course Level: Military Affairs/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

MIL AFF 145A National Security Forces in Contemporary American Society 3 Units

Conceptually examines the Armed Forces as an integral element of American society. Examines contemporary issues in civil-military relations and the national and international environment in which U.S. defense policy is formulated and implemented.

Rules & Requirements

Prerequisites: Upper division standing and consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Military Affairs/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

MIL AFF 145B Preparation for Active Duty 3 Units

This course focuses on commissioning of cadets and their transition to active duty. The primary focus of instruction is officership, professionalism, and leadership. Topics for specific discussion include the military justice system, military ethics, core values, military professionalism and current issues affecting the Air Force, and a general introduction to base functions designed to ease cadets' transition to active duty. This course combines lecture and discussion with increased emphasis on the students' written and oral communication skills.

Rules & Requirements

Prerequisites: Upper division standing and consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of laboratory per week

Additional Details

Subject/Course Level: Military Affairs/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

MIL AFF 154 The History of Littoral Warfare 3 Units

An analysis of the theory, origins, historical evolution, and impact of man's attempts to project seapower ashore. A case study approach is used to study major developments in amphibious warfare.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Military Affairs/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

MIL AFF 199 Supervised Independent Study and Research 1 - 4 Units
Supervised independent study and research for undergraduate students who desire to pursue topics of their own selection.

Rules & Requirements

Prerequisites: Upper division standing and consent of the instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Summer: 6 weeks - 2.5-10 hours of independent study per week

Additional Details

Subject/Course Level: Military Affairs/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

Military Science

MIL SCI 1 Leadership Laboratory 0.0 Units

The instruction includes organization and management of military units, physical training, drill and ceremonies, land navigation techniques, survival skills, and extensive first aid training.

Rules & Requirements

Credit Restrictions: The laboratory may be taken for eight semesters.

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of laboratory per week

Summer: 8 weeks - 4 hours of laboratory per week

Additional Details

Subject/Course Level: Military Science/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

MIL SCI 2 Foundations of Officership 1 Unit

The purpose of this one credit hour seminar style course is to introduce the student to issues and competencies that are central to a commissioned officer's responsibilities. These initial lessons establish a framework for understanding officership, leadership, and Army values. Additionally, the semester addresses "life skills" including fitness and time management. This course is designed to give accurate insight into the Army profession and the officer's role within the Army and to lay the foundation for further leadership development. This course is structured in modules. There are five modules containing 15 one-hour (50-minute) lessons, as follows: \n Module 1 - The Army Profession: Officership (what officers/leaders do, customs/courtesies). \n Module 2 - Personal Development (time/personal management). \n Module 3 - Physical Well-Being (physical fitness, stress management). \n Module 4 - Leadership (definition, AOR model, Army Be-Know-Do-model, character, and competence). \n Module 5 - Values and Ethics (morals vs. ethics, ethical decision making, Army (Institutional) Values).

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture per week

Additional Details

Subject/Course Level: Military Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

MIL SCI 3 Introduction to Tactical Leadership 1 Unit

This course overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Students will explore dimensions of leadership attributes and core leader competencies in the context of practical, hands-on, and interactive exercises.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of lecture per week

Additional Details

Subject/Course Level: Military Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Barnes

MIL SCI 100 Individual Leadership Studies 2 Units

The purpose of this two credit hour course is to develop students' knowledge of self, self-confidence, and individual leadership skills. Through experiential learning activities, students develop problem solving and critical thinking skills, and apply communication, feedback, and conflict resolution skills. This course is structured in modules. There are 4 modules encompassing 30 one-hour (50 minute) lessons as follows: \n Module 1 - Enhanced Skills Training Program - This web based program assesses individual student strengths and weaknesses in Mathematics and English and designs a program of self study to improve individual weak areas to meet or exceed, minimum capabilities. \n Module 2 - Physical Well Being - Nutrition, life style, stress management, techniques, and issues \n Module 3 - Individual Leadership Skills Development - Communications, Writing, Values, Ethics, confidence building \n Module 4 - Leadership/Team building - Group dynamics, Leadership case studies

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Military Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

MIL SCI 101 Foundations of Leadership 2 Units

This course examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). This course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Military Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructor: Barnes

MIL SCI 131 Applied Team Leadership 3 Units

This course is an academically challenging course where you will study, practice, and apply the fundamentals of Army leadership, officership, army values and ethics, personal development, and small unit tactics at the team and squad level.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Military Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

Formerly known as: Military Science 431

MIL SCI 132 Leadership and Ethics 3 Units

This course examines the role communications, values, and ethics play in effective leadership. Topics covered include ethical decision-making, consideration of others, spirituality in the military, and a survey Army leadership doctrine. There is also added emphasis on improving each student's oral and written communication abilities.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Summer: 3 weeks - 11.5 hours of lecture per week

Additional Details

Subject/Course Level: Military Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

Formerly known as: Military Science 432

MIL SCI 141 Leadership and Management 3 Units

This course begins with a series of lessons designed to enable cadets to make informed career decisions as they prepare their accessions documents. The next lessons concentrate on Army operations and training management, communications and leadership skills, and support the beginning of the final transition from cadet to lieutenant. The course enables cadets to attain knowledge and proficiency in several critical areas that they will need to operate effectively as an Army officer, including the Army's training management system, coordinating activities with staff, and individual counseling skills. At the end of this semester, cadets should possess the fundamental skills, attributes, and abilities to operate as competent leaders and confidently shoulder the responsibilities entrusted to them. This course is structured in modules. There are six modules, as follows: \n Module 1 - The Army Profession: Officership. \n Module 2 - The Army Profession: Army Operations. \n Module 3 - Communications. \n Module 4 - Personal Development. \n Module 5 - Physical Well-Being. \n Module 6 - Leadership.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Military Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

MIL SCI 142 Leadership in a Complex World 3 Units

This course explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). Students will examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Students also explore aspects of interacting with non-government organizations, civilians on the battlefield, and host nation support.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Military Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Naval Science

NAV SCI 1 Introduction to Naval Science 2 Units

This curriculum provides guidelines for introducing students to the organization of the Department of Defense and the naval service, the long-held customs and traditions of the service, basic leadership, ethics and character development, the duties of a junior officer, and basic information concerning shipboard procedures and safety. It is the intent of this course to stimulate the students' interest for study and investigation in future courses.

Hours & Format

Summer: 10 weeks - 3 hours of lecture and 3 hours of lecture per week

Additional Details

Subject/Course Level: Naval Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

NAV SCI 2 Sea Power and Maritime Affairs 2 Units

Traces the U.S. historical evolution of sea power, its concepts, theories and applications. Emphasizes the impact of world situation, U.S. national interest, changing technology, and naval leadership on the evolving concept of sea power. Relates historical developments to current trends. Examines briefly the U.S. Merchant Marine's and the former Soviet Navy's impact on sea power policy formulation.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Summer: 10 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Naval Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

NAV SCI 3 Leadership and Management I 3 Units

This course will cover basic management, decision making, and moral leadership. The student will learn to establish meaningful goals, prioritize among competing demands, and plan and forecast in a task-centered organization. The course includes exposure to measures of organizational effectiveness, methods to overcome resistance to change, effective communications, and techniques to aid in counseling, team building, and resolution of disciplinary and personnel matters.

Hours & Format

Fall and/or spring: 10 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Naval Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

NAV SCI 10 Naval Ship Systems I 3 Units

Principles of design and operation of ships. Emphasis on description and analysis of major types of propulsion plants, both conventional and nuclear. Principles of thermodynamic cycles, electrical theory, power generation and distribution, auxiliary machinery systems. Ship construction, strength and stability in intact and damaged conditions. Factors and design criteria for seaworthiness, structural integrity, and operational employment.

Rules & Requirements

Prerequisites: Mathematics 1A or 16A

Repeat rules: Course may be repeated for credit with consent of instructor. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Naval Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

NAV SCI 12A Navigation and Naval Operations I 3 Units

Theory, principles, and procedures of terrestrial and celestial navigation and piloting techniques. A study of coordinating systems, including the celestial coordinate system, nautical charts and publications, position fixing, dead reckoning, nautical astronomy, the theory and methods of celestial navigation, and the theory and prediction of tides and current.

Hours & Format

Fall and/or spring: 10 weeks - 3 hours of lecture and 1 hour of laboratory per week

Additional Details

Subject/Course Level: Naval Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam not required.

NAV SCI 12B Navigation and Naval Operations II 3 Units

Introduction to the various aspects of ship operations at sea. Principles of terrestrial navigation including the rules of the road for prevention of collisions at sea, vector analysis of relative motion, ship behavior and characteristics in maneuvering, precise ship positioning, use of aids to navigation, meteorology, and electronic navigation.

Rules & Requirements

Prerequisites: 12A or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 1 hour of laboratory per week

Additional Details

Subject/Course Level: Naval Science/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.