

paper and oral presentation demonstrating the student's ability to independently research a topic and effectively communicate mathematics. *Prerequisite: Mathematics 496 or permission. Offered every term.*

## **Military Science (MSI)**

Regularly enrolled, physically qualified male and female students are offered a four-year course of instruction in military science. Students unable to complete the four-year program may apply for the two-year Advanced Course by volunteering to attend the Basic Camp for ROTC between their sophomore and junior years. Upon successful completion of the Advanced Course of ROTC and upon recommendation by the military science faculty and the Vice President for Academic Affairs, students are awarded commissions. Army ROTC students are commissioned in the grade of Second Lieutenant, United States Army Reserve or Regular Army. Air Force ROTC students are commissioned in the grade of Second Lieutenant, United States Air Force.

All of the credits offered in military science courses are credited toward graduation.

### **ARMY**

#### **111 Foundations of Officership (1)**

Students are introduced to issues and competencies that are central to a commissioned officer's responsibilities. The course contents include understanding officership, leadership, Army values, and life skills, such as physical fitness and time management.

#### **111L Leadership laboratory (0)**

#### **121 Basic Leadership (1)**

Students learn the foundations of leadership, such as problem solving, communication, military briefings, effective writing, goal setting, physical well-being, techniques for improving listening and speaking skills, and counseling.

#### **121L Leadership Laboratory (0)**

#### **212 Individual Leadership Studies (2)**

Introduction to identifying and replicating successful leadership characteristics, through observations during experiential learning exercises. Students record these characteristics, discuss them in small group settings, and use them in subsequent activities. Students also practice communication skills necessary for leadership roles, especially in military environments.

#### **212L Leadership Laboratory (0)**

#### **222 Leadership and Teamwork (2)**

Students learn how to build successful teams, methods to influence group actions, effective communication within groups, creativity in problem solving,

and how to motivate subordinates and peers. Students will also learn how to use these skills in the context of military environments, such as while performing land navigation and infantry tactics.

**222L Leadership Laboratory (0)**

**290, 390, 490 Directed Study (1-3) (1-3) (1-3)**

An opportunity for supervised, independent study of a particular topic based on the interest of the student and the availability and approval of the faculty.

**310 United States Military History, 1607-1917 (3)**

Significance of military affairs in the context of American political, economic, and social history from the formation of the earliest colonial militias to the pre-WWI preparedness movement. Discusses all of the major wars of this period but also emphasizes such themes as the professionalization of the officer corps, the relationship between war and technology, and civil-military relations.

**311 United States Military History Since 1917 (3)**

Significance of military affairs in the context of American political, economic, and social history from American's entry into WWI to the present. Discusses all of the major wars of this period but also emphasizes such themes as the professionalization of the officer corps, the relationship between war and technology (especially nuclear weapons), and civil-military relations.

**313 Leadership and Problem Solving (3)**

Students conduct self-assessments of their leadership style, develop a personal fitness regimen, and learn to plan and conduct individual/small unit tactical training, while testing reasoning and problem solving techniques. Students receive direct feedback on their leadership abilities.

**313L Leadership Laboratory (0)**

**323 Leadership and Ethics (3)**

This course examines the role communication, values and ethics play in effective leadership. Topics include ethical decision making, consideration of others, spirituality in the military, and Army leadership doctrine. There is also an emphasis on improving students' oral and written communication abilities.

**323L Leadership Laboratory (0)**

**413 Leadership and Management (3)**

This course develops students' proficiencies in planning and executing complex operations, functioning as a member of a staff, and mentoring subordinates. Students explore training management, methods of effective staff collaboration, and developmental counseling techniques.

**413L Leadership Laboratory (0)**

**423 Officership (3)**

This course includes case study analysis of military law and practical exercises in establishing an ethical command climate. Students complete a semes-

ter-long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate leadership skills.

**423L Leadership Laboratory (0)**

**AIR FORCE**

**102 Foundation of the United States Air Force I (1)**

Officership, communication skills, opportunities, and benefits in today's US Air Force. A weekly Leadership Lab consists of Air Force customs and courtesies, Air Force environment, drill and ceremonies.

**105 Foundation of the United States Air Force II (1)**

Communication and leadership skills, US military history, and the organizational structure of today's US Air Force. A weekly Leadership Lab consists of Air Force customs and courtesies, Air Force environment, drill and ceremonies.

**102L, 105L Leadership Laboratory (0)**

Increasing students' knowledge of Air Force uniform wear, customs, and active duty opportunities. *Successful completion of this course is required for commissioning.*

**210 The Evolution of US Air and Space Power I (1)**

History of the development and deployment of airpower from the Wright Brothers' first flight to the Persian Gulf War and how the events were affected by technology, politics, doctrine, and geography. Emphasizes US airpower. *Prerequisite: Military Science 105 or permission.*

**211 The Evolution of US Air and Space Power II (1)**

History of the development and deployment of airpower from the Wright Brothers' first flight to the Persian Gulf War and how the events were affected by technology, politics, doctrine, and geography. Emphasizes US airpower. *Prerequisite: Military Science 210 or permission.*

**210L, 211L Leadership Laboratory (0)**

Introduction to cadet leadership training. Practical experience in leadership roles. *Successful completion of this course is required for commissioning.*

**290, 390, 490 Directed Study (1-3) (1-3) (1-3)**

An opportunity for supervised, independent study of a particular topic based on the interest of the student and the availability and approval of the faculty.

**325 Air Force Leadership Studies I (3)**

Communication skills, leadership, quality initiatives, and human relations. Requires cadet research and participation in the instructional process. *Prerequisite: Permission.*

**339 Air Force Leadership Studies II (3)**

Principles of leadership, professionalism, ethics, communication skills, and problem solving, including quality leadership applications. *Prerequisite: Military Science 325 or permission.*

**325L, 339L Leadership Laboratory (0)**

Practical application of the principles of leadership in the operation and administration of the cadet wing. *Successful completion of this course is required for commissioning.*

**435 National Security Affairs and Preparation for Active Duty I (3)**

Environment in which defense policy is formulated. Requisites for maintaining adequate national security forces; political, economic, and social constraints of the national defense structure; and the overall defense policymaking process. *Prerequisite: Military Science 339 or permission.*

**436 National Security Affairs and Preparation for Active Duty II (3)**

The armed forces as an integral element of society; the broad range of civil-military relations. The role of the professional officer in a democratic society, the socialization process within the armed services, and the military justice system. *Prerequisite: Military Science 435 or permission.*

**435L, 436L Leadership Laboratory (0)**

Practical application of the principles of leadership and experience in the operation and administration of the cadet wing. *Successful completion of this course is required for commissioning.*

## Modern Languages

Languages are an important communication skill in global business, academia, and science. Doane has majors in French, German and Spanish and offers other languages, although not as majors and minors. Language majors may be combined with other courses of study for careers in teaching, business, and science. Language proficiency is required for further studies in graduate school or studies abroad (Fulbright and other programs).

### FRENCH

(See page 156.)

### GERMAN

(See page 160.)

### RUSSIAN (RUS)

Adjunct Instructor M. Peters

**121-122 Beginning Russian (3-4) (3-4)**

Intensive self-instructional study of first-year Russian. Language lab work with tapes and text is supplemented by drill instruction and examination by professional instructors. *Prerequisite: Permission.*

**302-402 Russian Language Enrichment (1) (1)**

A course designed to encourage interdisciplinary study in Russian. It is taken in conjunction with a second course in a discipline other than Russian. The student reads materials relating to the second course, which is selected by