

AERO-AEROSPACE STUDIES

AERO 1011 The Foundation of the US Air Force 1 Credit Hour

Prerequisite: concurrent enrollment in AERO 1300. A study of the doctrine, mission and organization of the United States Air Force. Emphasis is placed on the purpose of strategic offensive and defensive forces and their inherent relationship to the function and employment of aerospace power. (F)

AERO 1021 The Air Force Today 1 Credit Hour

Prerequisite: departmental permission; concurrent enrollment in 1300. A study of aerospace defense, missile defense, general purpose forces and aerospace support forces. The mission, resources and operation of tactical air forces, with special attention to limited war; and a review of Army, Navy and Marine general purpose forces. (Sp)

AERO 1300 Leadership Laboratory 0 Credit Hours

Prerequisite: concurrent enrollment in AERO 1011, 1021, 2011, 2021, 3013, 3023, 4013 or 4023 or permission. Designed to introduce the student to the customs and courtesies associated with the Air Force. Also provides a practicum for the initial development of leadership and command abilities. (F, Sp)

AERO 2011 The Evolution of USAF Air and Space Power I 1 Credit Hour

Corequisite: 1300. The development of air power to include the technological advanced which made military aviation possible. American attitudes toward aviation, evolution of pursuit, reconnaissance, bombardment and ground support tactics, the interwar years (1919-1939), air power during World War II, the Berlin Airlift, the Korean War, the development of an independent Air Force, and the Air Force build-up/force modernization of the 1950s. (F)

AERO 2021 The Evolution of USAF Air and Space Power II 1 Credit Hour

Corequisite: 1300. A study of the development of airpower in the post-World War II period. Special emphasis is placed upon airpower and Cold War strategies, the Cuban Missile Crisis, Airpower in southeast Asia, the 1970's a decade of change, the 1980's force modernization, the changing balance and role of airpower relative to today's major military powers. An introductory study of leadership, team building, and problem solving. (Sp)

AERO 3013 Air Force Leadership and Management 1 3 Credit Hours

Prerequisite: departmental permission. An introductory study of the basic concepts and practices of management in the military, private and public sectors. Emphasis is placed upon the principles of organizational communications and the development of oral and written communicative skills. Case studies are used to integrate and extend these principles to actual situations. Concurrent enrollment in AERO 1300 is required. (F)

AERO 3023 Air Force Leadership and Management 2 3 Credit Hours

Prerequisite: AERO 3013 or permission. The study of the fundamentals, traits and techniques of leadership. Included are such topics as job design, motivation, group dynamics, decision making and organizational change. Continued emphasis on the development of communicative skills. Case problems are utilized to relate subject material to managerial principles. Concurrent enrollment in AERO 1300 is required. (Sp)

AERO 3440 Mentored Research Experience 3 Credit Hours

0 to 3 hours. Prerequisites: ENGL 1113 or equivalent, and permission of instructor. May be repeated; maximum credit 12 hours. For the inquisitive student to apply the scholarly processes of the discipline to a research or creative project under the mentorship of a faculty member. Student and instructor should complete an Undergraduate Research & Creative Projects (URCP) Mentoring Agreement and file it with the URCP office. Not for honors credit. (F, Sp, Su)

AERO 4013 American National Security I 3 Credit Hours

Prerequisite: 3023 or departmental permission. Conceptual study of the U.S. national security policy examining the formulation, organization and implementation of national security; the context of national security; the evolution of strategy; and the management of conflict. Included is a block of instruction on the military justice system. Concurrent enrollment in 4100 is required. (F)

AERO 4023 American National Security II 3 Credit Hours

Prerequisite: 4013 or departmental permission. Examines U.S. national security policy in the international setting; arms control and peacekeeping efforts; and civil-military interaction. Includes a study of the military profession and officership. Designed to provide future Air Force officers with a background in the profession and U.S. national security policy so that they can function effectively in today's Air Force. Concurrent enrollment in 4100 is required. (Sp)