

TX-794 AFJROTC COURSE SYLLABUS

COURSE NAME: AFJROTC II

CREDIT HOURS: .5 Credit Hours Per Semester

INSTRUCTOR'S NAME: Colonel (Ret) Steve Shinkle, Senior Aerospace Science Instructor
Master Sergeant (Ret) Ronald F. Deos, Aerospace Science Instructor

GRADING: Assessments 20%, Citizenship 20%, Wellness 20%, Uniform Wear 40%

COMPONENT 1: LEADERSHIP EDUCATION

Course Description: Leadership Education 200 stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Course Objectives: Apply the key factors of effective communications; Know the ways in which personal awareness affects individual actions; Know the key elements of building and encouraging effective teams; Apply the key behaviors for becoming a credible and competent leader

Course Materials: Textbook: LEADERSHIP EDUCATION II: Communication, Awareness, and Leadership; and accompanying workbook; Guest Speakers

Assignments: Cadets will read assigned chapters and accomplish selected activities from the Student Workbook. Cadets will participate in classroom discussion. Cadets will prepare speeches and written reports. Cadets will prepare for Drill Evaluation. Cadets will prepare for quizzes and chapter tests. Cadets must wear the Air Force issued uniform a minimum of one day each week. Cadets will receive a weekly grade on proper wear of the Air Force uniform on the designated uniform wear day. Cadets may be required to wear the uniform at other times as required by the instructor to support AFJROTC activities.

COMPONENT 2: AEROSPACE SCIENCE

Course Description: The second year is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, and principles of aircraft flight. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. The portion on the Human Requirements of Flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

Course Objectives: Know the atmosphere environment; Know the basic human requirements of flight; Know why Bernoulli's principle and Newton's Laws of Motion are applied to the theory of flight and the operating principles of reciprocating engines, jet engines, and rocket engines.

Course Materials: Textbook: AEROSPACE SCIENCE: The Science of Flight; and accompanying workbook

Assignments: Cadets will read assigned chapters and accomplish selected activities from the Student Workbook. Cadets will participate in classroom discussion. Cadets will prepare speeches and written reports.

COMPONENT 3: GLOBAL AND CULTURAL STUDIES

Course Description: This is a multidisciplinary course that introduces students to various regions of the world from a geographic, historical and cultural perspective. The course provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world. Geopolitical issues such as terrorism, economics, politics, military issues, religion, environmental concerns, human rights, disease, over population, literacy, the migration of peoples and other cultural issues will be examined. The regional areas included in this course are Europe, the Middle East, South Asia, East Asia, Africa, and Latin America.

Course Objectives: Know how cultural, geographic and economic factors have shaped Europe; Know how religion, resources, conflict, external intervention and other cultural factors have influenced the modern day Middle East; Know how religion, institutions, ethnicity, history, population and outside influences have impacted South Asia; Know the role cultural traditions, social issues, communism, war and U.S. interests played in shaping East Asia; Know how diverse cultures, European colonialism and the slave trade, war, famine and other factors have affected Africa over the centuries; Know how cultural diversity, environmental issues, volatile politics and U.S. interests impacted Latin America.

Course Materials: Textbook: AEROSPACE SCIENCE: Global and Cultural Studies

Assignments: Cadets will read assigned chapters and accomplish selected instructor-designed activities and activities from the course DVD/CD. Cadets will participate in classroom discussion. Cadets will prepare speeches and written reports.

COMPONENT 3: WELLNESS

Course Description: The wellness component of the class is designed to subject students to an individualized fitness assessment and improvement plan. This is done by using elements of the Headquarters AFJROTC Extreme Excellence Challenge (E2C) Program along with a participative team sports program. Students are graded on their participation in the program and showing personal effort during exercises and activities. Students may earn AFJROTC awards for meeting or exceeding certain standards within the E2C program.