**TX-20011 AIR FORCE JUNIOR ROTC AEROSPACE SCIENCE**

**COURSE OUTLINE/SYLLABUS / SCHOOL YEAR 2017-18**

**FLOWER MOUND HIGH SCHOOL**

INSTRUCTORS: Lt Col (ret) David Hansen, Senior Aerospace Science Instructor

MSgt (ret) David Copland, Aerospace Science Instructor

SUBJECT AREAS: Aerospace Science 100 – A Journey into Aviation History

Leadership Education 100 – Traditions, Wellness & Foundations of Citizenship

Cadet Health and Wellness Program

CREDIT: PE credit / elective credit is awarded for completion of this course

# I. Course Description/Objectives:

## A. Aerospace Science 400 (AS-400) – Management of the Cadet Corps

AS-400 is a hands-on management and leadership experience that affords cadets the opportunity to put theories of previous leadership education courses into practice. Cadets will manage the cadet through their communication, decision-making, personal- interaction, managerial, and organizational skills in planning events, projects and organizing the day-to-day running of the corps.

Objective:

1. Apply theories and techniques learned in previous leadership courses.

2. Analyze how to develop leadership and management competency through participation.

3. Analyze strengthened organizational skills through active incorporation.

4. Evaluate how to develop confidence in ability by exercising decision-making skills.

## B. Leadership Education 400 (LE-400): Principles of Management

This course provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. We are confident this course, coupled with what cadets have already learned during their time in AFJROTC, will equip them with the qualities needed to serve in leadership positions within the corps. Throughout the text are many ethical dilemmas, case studies, and role play activities built into the lessons. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions.

Objectives:

1. Know the history and the importance of management.

2. Know the techniques and skills involved in planning and decision-making.

3. Know the importance of managing change, stress, and innovation.

4. Know the key elements of individual and group behavior, the importance of the communication process, and the characteristics of a good leader.

C. Cadet Health and Wellness Program

Wellness is an official part of Air Force JROTC and is an exercise program focused on individual baseline improvements with the goal of striving to achieve a national standard and also includes team sports. Cadets will wear issued workout clothes and athletic shoes on Wellness days, typically Fridays.

Objective:

Motivate AFJROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives.

**II. Grading / Evaluation**

1. Assessments

All assessment grades are based on a 0-100 point scale and include Uniform Inspections, essays, reports, class presentations, and projects.

1. Wear of the AFJROTC Cadet Uniform is **MANDATORY** once a week *(typically Wednesday)*. Improper wear of the uniform or not wearing the uniform to all classes (without prior-instructor approval) on uniform wear day may result in an inspection score of zero. **Habitual non-wear of the uniform and failure to maintain standards will result in a failing grade and removal from the program.** Guidelines for uniform wear can be found in Air Force Instruction 36-2903, excerpted in the TX-20011 Cadet Guide.(tx-20011.wixsite.com/jrotc-website/cadet-resources)
2. Class Work

Class work grades are based on a 0-100 point scale and include lessons from the Aerospace Science and Leadership Education textbooks, worksheets, quizzes, chapter tests, stationary drill and marching.

**NOTE: Homework/Make-up Policy**

1. It is the cadet’s responsibility to find out what assignments were missed due to absence.
2. Cadets are expected to turn-in assignments the first day back after an absence.
3. Students are to be in uniform the first day back to class if they missed a required uniform wear day.

C. Cadet Health and Wellness Program

Wellness Training will normally be conducted on ***Friday*s**. Each cadet’s grade will be based on wearing physical training clothing and active participation in the wellness training exercises. Cadets with a documented medical excuse will be exempt from participation.

D. Semester Examinations

Examinations will be administered at the end of the first and second semesters and will count 15% of the student's total grade. Semester exams will include all topics covered during that term.

**GRADING SCALE USED IN LEWISVILLE INDEPENDENT SCHOOL DISTRICT**

**Grade Percentage Required**

A 90% and above

B 80% - 89%

C 70% - 79%

F 69% and below

**GRADING POLICY BREAKDOWN BY CATEGORY IN SKYWARD**

MAJOR GRADE 45% (Academic tests and uniform inspections)

QUIZZES 35%

PARTICIPATION 20% (Wellness/PT uniform and in-class work)