

Office of Academic Affairs
Tarleton State University
October, 2006

Master Course Syllabus Outline

Department: College of Science & Technology Course Prefix/Number: ASCI 444
Official Course Title: Historical Applications in Aircraft Design
Master Syllabus Approved by Department on: 10 / 16 / 06
Month date year

I. Catalog Description

This course presents the study of the evolution, concepts, and design aspects used in aircraft development with emphasis on aerodynamic efficiency and aircraft manufacture. Scale models from various historical periods will be constructed and studied.

II. Prerequisites

Junior classification

III. Expanded Course Description

Aircraft designs have followed a comprehensive evolution in the development of aerodynamic efficiency. These designs and improvements for aircraft manufacture and implementation will be explored and analyzed during the course. Further applications for better understanding these designs will be covered through the construction of scale models. This aviation subject will be offered as an elective to further expand the aviation curriculum available for aviation and non-aviation majors.

IV. Intended Student Learning Outcomes

Upon completion of the course, the student will

- A. Demonstrate an increased awareness of the factors involved in the development of aircraft designs from a historical approach.
- B. Construct scale models of aircraft studied, and apply advanced scale modeling techniques learned in class.

Department Head Signature/Date:

Signature

_____/_____/_____
Date