

SYLLABUS
SAN JOSE STATE UNIVERSITY
DEPARTMENT OF AVIATION & TECHNOLOGY

Aviation 190 – Senior Capstone Seminar

Fall Semester, 2012
Monday, 1500-1745

Instructor: Wenbin Wei, Ph.D.
Office: IS 103
Email: wenbin.wei@sjsu.edu
Phone: 408-924-3206
Classroom: Engineering 338
Office Hours: Monday 1255-1455

THE INSTRUCTOR RESERVES THE RIGHT TO AMEND THIS SYLLABUS
AS APPROPRIATE WITH COURSE PROGRESSION

Course Catalog Description

The culminating experience of your college education. Current industry analysis and career development. Leadership skills for aviation professionals. Aviation standard procedures. Ethical principles for Aviation. Student projects related to aviation major.

General Course Description

This class will provide an overview of the current aviation industry and the career development for aviation students. We will introduce and discuss some basic skills for writing resumes and cover letters, interviewing, and job-hunting in the field of aviation in general, and discuss the leadership and ethics in aviation. Based on your accumulating education, knowledge, and skills, students are also required to complete a course project in this class.

Course Objective

At the end of this class, students will be able to obtain the basic knowledge and skills for job-hunting, interviews, and resume and cover letter writing for aviation graduates; understand the importance and requirement for aviation standards, leadership and ethics; and be able to complete a final project based on accumulative education and knowledge obtained from the aviation program at SJSU.

Required Course material/textbooks

Please refer the APA or AIAA standard format for the appropriate writing and citation styles for use in your project report. The APA reference format is available at: <http://writing.wisc.edu/Handbook/DocAPA.html>

Prerequisite:

You must be a graduating senior with your major (and minor) form(s) completed and submitted. Otherwise, you are not eligible to take this class.

Class Format

- a. Lectures and discussions
- b. In-class work
- c. Group work and student presentations
- d. Guest lectures

Class Grading

Homework 20%

Project and presentation 60%

Class Participation, in-class work and exam 20%

The typical final grade distribution is: 93-100 A; 90-92 A-; 88-89 B+; 83-87 B; 80-82 B-; 78-79 C+; 73-77 C; 70-72 C-; 69 D+; 65-68 D; below 65 F. And the final grade might be adjusted due to the degree of difficulty of the exams and other assignments.

Homework

Homework is due on the day of class, before class starts. No late homework will be accepted unless prior approval is granted. Students are required to use Microsoft Word or any other document editor software to write homework.

Exams

Exams will cover materials in lectures, assigned readings, homework, class discussions, and student presentations.

Make-up tests will not be allowed unless prior approval is obtained from the instructor and will be given in the case of evidenced extreme circumstances.

Academic integrity statement (from the Office of Student Conduct and Ethical Development):

“Your own commitment to learning, as evidenced by your enrollment at San Jose State University, and the university’s Academic Integrity Policy requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The policy on academic integrity can be found at http://sa.sjsu.edu/student_conduct.”

Campus policy in compliance with the Americans with Disabilities Act:

“If you need course adaptations or accommodations because of a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with DRC to establish a record of their disability.”

Term Project and Presentation

A group course project is required for this class. Most students in the past choose to work on a project for “FAA Design Competition for Universities”. The guidelines for FAA competition will be discussed in detail in the class.

An initial proposal, mid-term report, final report, and final presentation are required for the course project.

The proposal should list the names of the group members and describe briefly the topic, the plan, the schedule and steps of completion for the term project.

The final report for FAA competition needs to satisfy all the requirements listed in the guidelines. The final report is due on the last day of instruction for this semester.

Students are encouraged to discuss with the instructor on the topic, resources and writing for the group project.

The grading on the term project is based on the following criteria:

- a. Use of resources: your final paper should indicate a thorough search of information and in-depth investigation of the chosen subject.
- b. Organization of writing: the final report should include introduction, literature review, analysis details, and a summary or conclusions. It should have clear transitions.
- c. Contents and analysis: focused and relevant discussion of subject, in-depth analysis, and clear summarization of main points.
- d. 40-50 minutes presentation: presentation effectiveness, and clear answers to the questions on the presentation.

Class Schedule (subject to change with fair notice)

Class	Date	Topic	Reminder
1	Aug. 27	Class review	
2	Sep. 3	No class (Labor day)	
3	Sep. 10	Discussion on class projects	
4	Sep. 17	Overview of current aviation industry	Due of project proposal
5	Sep. 24	Guest lecture on career development	
6	Oct. 01	Review of resumes and cover letters	
7	Oct. 08	Discussion on resumes/career center	
8	Oct. 15	Discussion on cover letter	
9	Oct. 22	Mid-term project presentation	Due of mid-term report
10	Oct. 29	Aviation leadership and ethics	
11	Nov. 5	Review of interview and jobs	
12	Nov. 12	No class (Veteran’s day)	
13	Nov. 19	Students’ check and review of final project	Due of draft of final report
14	Nov. 26	Practice of interviews	
15	Dec. 3	Project presentation	
16	Dec. 10	Project presentation	Due of final project

Final Exam: Wednesday, December 12, 2012, 1215-1430.