

**San Jose State University
Department of Aviation & Technology
College of Engineering**

**Aviation 199A-01: Careers in Aviation Industry
Section 01 Code 40321 Lecture - Units 3**

Course Outline – Fall 2018

Lecture:	Engineering Rm 103	Time: Fri 7:30am-10:15am
Lecturer:	Victoria Collom	E-mail: vecollom@gmail.com
Office hours:	Eng 103 Fri 0700-0730 (or upon request)	Telephone: 408-234-3951, prefer text
Prerequisite:		
Required Texts/Readings:	Aerospace: The Journey of Flight, 3 rd edition Website and publications (referenced in class)	

Course Description

Introduction to the principles and practices critical to the Aviation Industry, such as airports, commercial airlines, and the general aviation sector, major functions of airport, the basic principles of aviation policies, airline marketing and commercial economics, flight planning and flight dispatch, and air cargo management, and global air transport.

Course Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Determine the various important practice aspects of the Aviation Industry
2. Apply basic knowledge of air transport system structure, aviation laws and policies
3. Evaluate various factors influencing the global air transport system, major functions of airports
4. Apply basic principles of Aviation policies, airline commercial economics, flight dispatch
5. Understand, evaluate and apply the Aviation safety policies

Final Examination or Evaluation

The final exam will be comprehensive, covering all material presented in class. There will be no make-ups for missed exams, except for medical or other reasons outside the student's control, and such must be documented with a written notice.

Grading Information

Course grade will be based on homework assignments, exams.

Homework/ Guest Speaker / Industry Tour Summaries	25%
Midterm (2)	25%
Research Project	25%
Final Exam	25%

The final grade will be determined by the following scale:

A+/-: 90-100% B+/-: 80-89% C+/-: 70-79% D+/-: 60-69% F+/-: below 60%

- Missing an in-class examination or assignment due date will result in a grade of zero. Only exceptions will be documented illness/injury or a significant personal event. When possible, arrangements must be made **before** the assigned date.
- Written work will be submitted with proper grammatical syntax. This will be considered in the final grade evaluation of the research project.
- References will be cited and evaluated for objectivity.

Please note: Today's Aviation Industry is undergoing dynamic changes. This course will require extensive review and weekly discussion of current news events in the aviation industry. Thus before class starts, students are expected to be prepared to discuss the assignment as well as participate equally in group projects. Therefore, **class attendance is essential** to obtain the maximum benefit of the course. Students are expected to have access to the internet.

University, College, or Department Policy Information

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

“Your own commitment to learning, as evidenced by your enrollment at San José 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.”

**AVIATION 199A FALL 2018
CLASS SCHEDULE**

Week	Date	Lecture	References/ Text	
1	08-24-18	Aviation Industry Overview Communications		Resume review
2	08-31-18	Networking, Role Model Gracious Professionalism	www.nbaa.org	Delta, SkyWest Interview Process. Assignment #1
3	09-07-18	Private Aviation National Business Aviation Sept 5,6 at SJC Airport		Assignment #2 NBAA Conference SJC Airport
4	09-14-18	Business Aviation International Operations		Assignment #3 Jeppesen
5	09-21-18	Aviation Industry Part 121 Commercial Operations		Commercial SJC Airport
6	09-28-18	Part 135 Aircraft Management		Assignment #4 Silicon Valley Express SJC Airport
7	10-05-18	Midterm		California Highway Patrol
8	10-12-18	Part 91 Flight Department Operations Maintenance, Flight Planning, Financial		Assignment #5 HP Aviation
9	10-19-18	Operational Management		Assignment #6 Aperture
10	10-26-18	Airport Operations Aircraft Movement, Dispatch, Service, Catering		Fuel & Base Operator Signature FBO SJC Airport
11	11- 02-18	Introduction to Research Project Air Traffic Control		Air Traffic Control SJC Tower
12	11-09-18	Safety, Risk, Insurance		Assignment #7 ASRS Safety Reporting
13	11-16-18	Future Issues in Aviation UAV Operations, Vertical Lift Aircraft		Speaker
14	11-23-18	Holiday		
15	11-30-18	Research Project Due Research Project Presentation Part I		Class critique
16	12-07-18	Research Project Presentations Part II		Group Critique
	12-17-18	Final Exam (Classroom to be arranged)	Thursday 7:15-9:30	NOTE!!!

**Avia 199A Special Topics: Careers in Aviation Industry
Fall 2018 Course Schedule/Outline**

Week#	Lecture/Activity Topic(s)
1.	Aviation Industry Overview
2.	Private and Commercial Aviation
3.	Speaker: Pilots
4.	Global Air Transport System
5.	Policies Governing Air Transportation
6.	Aviation Industry Tour
7.	Air Cargo Industry
8.	Speaker: Airport Operations
9.	Airline Air Transport Safety Policies
10.	Airline Pilot Career Opportunities
11.	Speaker: Air Traffic and Dispatch Control
12.	Air Traffic and Dispatch Careers
13.	Aviation Industry Tour
14.	Airport and Airline Management
15.	Project Presentation
