

UTAH STATE UNIVERSITY
AV 5410 - REGIONAL JET GROUND SCHOOL - II
Fall 2008 - M W F 08:45 - 10:20
Simulator Building - Logan Airport

Instructor: R. Parry Winder (Pee Wee)

Office: Simulator Room
Office Phone: None Assigned
Office Hours: M W 1100-1200 F A/R (In classroom)
Home phone: 435-753-3889
E-mail: parrywinder@mac.com

Text: CRJ 200 Pilot Reference Manual (PRM) Volume 1, 15 Dec 02

Description: This course is the second of a two-semester introduction to a typical commercial jet aircraft in use by regional airlines. This course is intended for professional program aviation students actively pursuing a career in the airline industry.

Prerequisites: AV 1100, AV 5400 and passing scores on CIL exams

- Objectives:**
1. Continue student's exposure to high speed, high performance jet aircraft systems and operations.
 2. Provide an opportunity for students to learn high speed aircraft aerodynamics, flight planning and performance characteristics and chart usage.
 3. Introduction to airline flight planning, dispatch and flight operations procedures.
 4. Prepare students for entry level pilot positions with a Regional airline.

Exams: Exams (3) will cover all aspects of the course material, including lectures, videos, and handouts. Exams will consist of a combination of multiple choice, true / false, or short answer questions. Exams may only be made up prior to or just after the next class period.

Quizzes: Quizzes (10) will cover reading assignments and handouts. Quizzes will be every Monday or first day after a break. Quizzes may only be made up prior to or just after the next class period.

Attendance / Participation:

Class attendance and participation is required and is approximately 10% of the overall grade. Reading assignments from the Pilot REFERENCE MANUAL VOLUME 1 must be completed prior to class in order to be adequately prepared for quizzes and to participate in class discussions and review.

CRM Minute

Each class member will be responsible for preparing and Briefing a 3-5 minute maximum presentation on an Aviation related subject on a rotational basis.

Final Grade:

The final grade will be based on the following point scale:

Exam #1	100 points
Exam #2	100 points
Exam #3	100 points
Quizzes 10	500 points
CRM Minute	100 points
Attendance / Participation	<u>100 points</u>
Total 1000 points	

At the completion of the course, students will be offered the opportunity to take the comprehensive Skywest Exam that will provide a measure of the level of systems knowledge obtained in class. This exam will NOT be included in the final grade.

Grading Scale:

93 - 100	A	73 - 76	C
90 - 92	A-	70 - 72	C-
87 - 89	B+	67 - 69	D+
83 - 86	B	63 - 66	D
80 - 82	B-	60 - 62	D-
77 - 79	C+	00 - 59	F

<u>DATE</u>	<u>TOPICS TO BE COVERED</u>	<u>READING ASSIGNMENT</u>
Aug. 25	Introduction to Course / Syllabus / Airplane General	
27	Review Aural / Visual Warning System	Chapter 3 (14)
29	Review Electrical System	Chapter 7 (6)
Sep. 1	LABOR DAY — NO CLASS	
3	Review APU Fire / Overheat Protection	Chapter 5/9 (8)
5	Review Power Plant	Chapter 18 (20)
Sep. 8	Review Fuel System	Chapter 12 (11)
10	Review Environment Control System	Chapter 2 (7)
12	Review Ice / Rain Protection	Chapter 14 (13)
Sep. 15	Hydraulic System	Chapter 13 (12)
17	Hydraulic System	Chapter 13 (12)
19	Hydraulic System	Chapter 13 (12)
Sep. 22	Landing Gear / Brakes	Chapter 15
24	Landing Gear / Brakes	Chapter 15
26	Landing Gear / Brakes	Chapter 15

<u>DATE</u>	<u>TOPICS TO BE COVERED</u>	<u>READING ASSIGNMENT</u>
Sep. 29	Flight Controls	Chapter 10 (9)
Oct. 1	Flight Controls	Chapter 10 (9)
3	Flight Controls	Chapter 10 (9)
Oct. 6	Flight Controls	Chapter 10 (9)
8	Exam #1	
10	Communications	Chapter 6 (4)
Oct. 13	Communications	Chapter 6 (4)
15	Flight Instruments	Chapter 11 (10)
17	FALL BREAK – NO CLASS	
Oct. 20	Flight Instruments	Chapter 11 (10)
22	Flight Instruments	Chapter 11 (10)
24	Flight Instruments	Chapter 11 (10)
Oct. 27	Flight Instruments	Chapter 11 (10)
29	Navigation Systems	Chapter 17
31	Navigation Systems	Chapter 17

<u>DATE</u>	<u>TOPICS TO BE COVERED</u>	<u>READING ASSIGNMENT</u>
Nov. 3	Exam #2	
5	Flight Management System	Handout
7	Flight Management System	Handout
Nov. 10	Flight Management System	Handout
12	Flight Management System	Handout
14	Automatic Flight Control System	Chapter 4 (2)
Nov. 17	Automatic Flight Control System	Chapter 4 (2)
19	Automatic Flight Control System	Chapter 4 (2)
21	Automatic Flight Control System	Chapter 4 (2)
Nov. 24	Automatic Flight Control System	Chapter 4 (2)
26	THANKSGIVING BREAK — NO CLASS	
28	THANKSGIVING BREAK — NO CLASS	
Dec. 1	Performance / Flight Planning	Handout
3	Performance / Flight Planning	Handout
5	EXAM #3	
Dec. 8 – 12	SKYWEST EXAM	

Accommodation for Students with Disability:

If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Disability Resource Center, preferably during the first week of the course. Any requests for special consideration relating to attendance, pedagogy, taking of examinations, etc., must be discussed with and approved by the instructor. In cooperation with the Disability Resource Center, course materials can be provided in alternative formats--large print, audio diskette, or Braille.