

UTAH STATE UNIVERSITY
AV 5420 - REGIONAL JET Simulator (Flight Training Device)
Simulator Building - Logan Airport

Instructor: R. Parry Winder (Pee Wee)

Office: Simulator Room
Office Phone: TBD
Office Hours: M W 1000-1100 F A/R (In classroom)
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Prerequisites: AV 5410, AV 1100 and CIL requirements met

Text: Canadair Intern Regional Jet Flight Crew Operating Manual

Description: This course is a Flight Training introduction to a typical commercial jet aircraft simulator (Flight Training Device) in use by regional airlines. This course is intended for Professional Program aviation students actively pursuing a career in the airline industry.

- Objectives:**
1. Continue student's exposure to high speed, high performance jet aircraft systems and operations through the supervised instruction in the AST Canadair Regional Jet 700 Flight Training Device (FTD).
 2. Provide a "Laboratory Like" opportunity for students to learn and practice high-speed aircraft aerodynamics (flying), Automation and flight planning skills, performance characteristics and Jeppesen chart usage.
 3. Introduction to airline flight planning, dispatch and flight operations procedures to include, Checklist Procedures, Cockpit Flow Patterns, Advanced Instrument Procedures, Emergency Procedures with Quick Reference Handbook (QRH) Procedures.
 4. Introduce students to "Industry Standard" Cockpit Resource Management Procedures and Practices.
 5. Prepare students for entry level pilot positions with a Regional airline.

Exams: No formal exams will be administered for this class. There will be periodic Progress Checks flown with each student to monitor progression and professional development.

Attendance / Participation:

Class attendance and participation is required. Reading assignments from the Flight Crew Operating Manual must be completed prior to each Simulator session in order to be adequately prepared for each Flight Training session.

Each student will be required to attend a minimum of twelve (12) training sessions during the semester. Each training session will be two (2) hours in duration with the training time reasonably split between each training partner.

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

Instrument Procedures	100 points
Checklist Usage	100 points
Cockpit Flows	100 points
Preparation / Planning	100 points
Attendance / Participation	100 points
Crew Resource Management	<u>500 points</u>

Total 1000 points

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

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.