

ENGINEERING AND TECHNOLOGY EDUCATION DEPARTMENT
Semester Course Syllabus

AV 2720-CFI & CFII Ground School

Sean Heiner
Spring 2009
3 Credits

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Meeting Time: MWF, 2:30 – 4:20
Dates: Jan 05 – Apr 24, 2009
Room: T107

Required Texts:

Jeppesen Flight Instructor Manual (*bookstore*)
Jeppesen Flight Instructor Syllabus (*bookstore*)

Highly Recommended Publications

Summit Aviation CD—*Breaking the Paper Barrier* (*bookstore*)
Gleim Flight Instructor: *Flight Maneuvers and Test Prep* (*bookstore*)
ASA: *Certified Flight Instructor Test Prep* (*bookstore*)

Useful Texts:

Jeppesen Private Pilot Manual
Jeppesen Instrument Commercial Manual

Course Fees:

A course fee of \$280.00 was paid with tuition. This fee pays for the FOI, FIA, and FII knowledge exams.

Course Description:

This course examines the principles of teaching as applied to instructing, analyzing, and evaluating flight students. As such, it assumes mastery of previous aviation course material. The course is divided into three separate phases. First, the student will study the principles of instructing and prepare for the FOI.

Next will be a review of pertinent aviation materials with emphasis on the preparation and delivery of flight and ground lessons. During this part of the course, students shall prepare, deliver, and critique lesson plans of various aviation topics. This course is not merely a vehicle through which one prepares for the FOI and FIA, but also for one's future role as a professional flight instructor. Always remember: "A flight instructor is the greatest single factor affecting a student pilot's learning."

The third part of the course provides the student with an understanding of the theories involved in instrument flight instruction. During this part of the course, students shall prepare, deliver, and critique lesson plans on instrument approaches and training procedures.

Prerequisites: Commercial certificate with instrument rating! Please provide a copy of your certificate to the instructor to verify fulfillment of this requirement.

Objectives: To learn and understand the necessary ground training required to become a Certified Flight Instructor and Certified Flight Instructor-Instrument. Students will obtain the necessary aeronautical knowledge and instructional background to meet the prerequisites specified in FAR Part 141 for the FAA flight instructor's written examination.

Content and Organization: Topics to be covered as specified in the FAA Approved Certified Flight Instructor training syllabus by Jeppesen and the applicable sections of Federal Aviation Regulations Part 61 and 91. Class will include the recognition, analysis, and correction of common student errors within these areas: flight instrument systems, attitude

instrument flying, instrument navigation, air traffic control system, ATC clearances, airports, airspace flight information, instrument approach chart navigation and interpretation, en route and area charts, departure and arrival charts, ILS-VOR-NDB, etc. approaches, departures, en route operations, arrivals and approaches, meteorology, severe weather avoidance, emergency procedures, cockpit management and professional responsibilities.

Course Policies: Success in this course requires that the student already has the necessary background knowledge. It is also expected that the student will conduct herself/himself in a professional manner. The class uses a group process. Each person is expected to contribute to the knowledge base. This makes attendance mandatory and it will be reflected in your final grade. Assignments are to be handed in on time. Lessons are to be presented as scheduled. All lesson plans will be turned in for grading purposes, but will be returned to the student once a score has been given. Rescheduling is usually not possible. The students will receive a "0" for lessons that are not presented.

Completion Standards: The students will demonstrate, through presentations, oral quizzing, and written tests, that the prerequisites in FAR Part 61 for a flight instructor applicant have been met. Students will also demonstrate adequate knowledge to pass the FAA Fundamentals of Instruction, Flight Instructor-Airplane, and Flight Instructor-Instrument knowledge examinations. All quizzes and tests must be passed by 80% or better for course completion.

FAA Written Exams:

1. A passing grade on the FAA Fundamentals of Instruction written exam is required to receive a passing grade for the class. The original results of your FAA exam must be shown to the instructor (and a copy provided) on, or before, the last day of class.
2. A passing grade on the FAA Flight Instructor-Airplane written exam is required to receive a passing grade for the class. The original results of your FAA exam must be shown to the instructor (and a copy provided) on, or before, the last day of class.
3. A passing grade on the FAA Flight Instructor-Instrument written exam is required to receive a passing grade for the class. The original results of your FAA exam must be shown to the instructor (and a copy provided) on, or before, the last day of class.

Grading:

Grades will be determined as follows:

Attendance and Participation.....	10%
Quizzes and Tests.....	20%
Lesson Plans/Presentations.....	25%
FAA Written Exams (3).....	45%
Total.....	100%

Letter Grades will be determined as follows:

94% and above→A	83-86%→B	73-76%→C	60-66%→D
90-93%→A-	80-82%→B-	70-72%→C-	below 60%→F
87-89%→B+	77-79%→C+	67-69%→D+	

***All quizzes and tests must be passed by 80% or better to receive a passing grade for the class!**

Accommodations for Persons with Disabilities:

Students with ADA-documented physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations. Veterans may also be eligible for services. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn, (435)797-2444 voice, (435)797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.

SCHEDULE

January

05	Orientation and “The Flight Instructor” video, Ground Lesson 1
07	Ground Lesson 1 (FOI-Chapter 1A)
09	Ground Lessons 1&2 (FOI-Chapter 1 B&C)
12	Ground Lesson 3 (FOI-Chapter 2A)
14	Ground Lesson 4 (FOI-Chapter 2B)
16	Ground Lesson 5 (FOI-Chapter 2C)
19	NO CLASS! (Human Rights Day)
21	Ground Lesson 6 (FOI-Chapter 2D)
23	Ground Lesson 7 (FOI-Chapter 3A)
26	Ground Lesson 8 (FOI-Chapter 3B) (Drop Date!)
28	Ground Lessons 9&10 (FOI-Chapter 4 A&B)
30	Ground Lesson 11 (FOI-Chapter 4C)

February

2	Ground Lesson 12 (FARs, NTSB 830, Certificates & Documents)
4	Ground Lesson 12&22 (FARs, NTSB 830, Certificates & Documents)
6	Ground Lesson 12&23 (FARs, FAA Publications, AC 60-25F)
9	Ground Lesson 13&22 (Logbook Entries, Endorsements, AC 61-65D, FAA Form 8710)
11	Ground Lesson 13 (Logbook Entries, Endorsements, AC 61-65D, FAA Form 8710)
13	FOI Final Exam
16	NO CLASS! (President’s Day)
17	Ground Lesson 15 (Presenting Private Pilot Knowledge)
18	Ground Lessons 16 (Building Flight Skills)
20	Ground Lessons 17 (Imparting Commercial Knowledge)
23	Ground Lessons 18 (Lesson Presentations)
25	Ground Lessons 18 (Lesson Presentations)
27	Ground Lessons 18 (Lesson Presentations)

March

2	Ground Lessons 18 (Lesson Presentations)
4	Ground Lessons 19 (Lesson Presentations)
6	Ground Lessons 19 (Lesson Presentations)
9	NO CLASS! (Spring Break)
11	NO CLASS! (Spring Break)

13 NO CLASS! (Spring Break)
16 Ground Lesson 19 (Lesson Presentations)
18 Ground Lesson 19 (Lesson Presentations)
20 Ground Lesson 19 (Lesson Presentations)
23 Ground Lesson 19 (Lesson Presentations)
25 Ground Lesson 22 (Lesson Presentations)
27 Ground Lesson 22 (Lesson Presentations)
30 Ground Lesson 22 (Lesson Presentations)

April

1 Ground Lesson 22 (Lesson Presentations)
3 **FIA Final Exam**
6 Ground Lesson 22 (Lesson Presentations)
8 Ground Lesson 23 (Lesson Presentations)
10 Ground Lesson 23 (Lesson Presentations)
13 **FII Final Exam**
15 Ground Lesson 23 (Lesson Presentations)
17 Ground Lesson 23 (Lesson Presentations)
20 Ground Lesson 23 (Lesson Presentations)
22 Ground Lesson 23 (Lesson Presentations)
24 Ground Lesson 23 (Lesson Presentations)

Final: Pass FAA Written Exams