

AVS 4030 - Flight Instructor Fundamentals

Instructor: Tom Grossman
Office hours: 15 min. before & after class
& by appointment

Ph. (269) 964-4029 office
(269) 217-1540 cell
E-mail: thomas.grossman@wmich.edu
<http://homepages.wmich.edu/~grossman/>

COURSE OBJECTIVE:

This course is designed to develop the student's aeronautical knowledge in accordance with FAR Parts 61 sufficient to pass the Flight Instructor - Airplane Single Engine practical exam and, in combination with the flight curriculum, become a safe, efficient and knowledgeable flight instructor. Specifically, through this class, the student will develop the ability to:

1. Discuss the human learning process.
2. Discuss human behavior as it relates to the teaching and learning process.
3. Identify methods of effective communication.
4. Identify the methods and processes of effective teaching.
5. Identify characteristics and benefits of the use of teaching aids in the teaching/learning process.
6. Develop lesson plans for a variety of aviation-related topics and flight maneuvers.
7. Discuss ways to develop safety practices in the teaching/learning process.
8. Discuss and interpret federal aviation regulations as they pertain to the training and certification of pilots.
9. List and demonstrate appropriate endorsements required of a pilot as they progress through a typical training program.
10. Correctly fill out FAA form 8710.1 Application for Airman Certificate or Rating and develop a working knowledge of the IACRA application process.

COMPLETION STANDARDS:

The student must demonstrate through written examinations that the aeronautical knowledge requirements specified in FAR Parts 61 for the Flight Instructor - Airplane certificate have been met. The student will score 70% or above on all written, practical, and performance tests with results reconciled to 100%.

TEXT:

FAA-H-8083-9 Aviation Instructor's Handbook, FAA, Latest Ed.
Federal Aviation Regulations, FAA, Latest Ed.
Aeronautical Information Manual, Latest Ed.
Private, Commercial and Flight Instructor Practical Test Standards, FAA, Latest Ed.
Selected References available at this course's website
WMU course syllabus

ATTENDANCE POLICY:

Students are expected to attend all class sessions that meet during the scheduled class time. If a class is missed, the student is required to provide a reason for that absence and the instructor will determine if it is excused or unexcused. If a class is missed, it must be made up with the student's flight instructor prior to the next scheduled class session. Failure to make up the class may result in loss of flight privileges.

ACADEMIC INTEGRITY:

You are responsible for making yourself aware of and understanding the policies and procedures in the Undergraduate and Graduate Catalogs that pertain to Academic Honesty. These policies include cheating, fabrication, falsification and forgery, multiple submission, plagiarism, complicity and computer misuse. [The policies can be found at <http://catalog.wmich.edu> under Academic Policies, Student Rights and Responsibilities.] If there is reason to believe you have been involved in academic dishonesty, you will be referred to the Office of Student Conduct. You will be given the opportunity to review the charge(s). If you believe you are not responsible, you will have the opportunity for a hearing. You should consult with your instructor if you are uncertain about an issue of academic honesty prior to the submission of an assignment or test.

USE OF LAPTOP COMPUTERS:

Use of laptops during class is encouraged for educational purposes, such as taking notes or conducting searches appropriate to the subjects being discussed. Use of laptops during class for personal business, such as email, chat, games, videos, or homework for other classes, etc. is forbidden. These activities can be distracting not only for the student, but also for other students who are within viewing range of any laptop screen. In addition, cell phones or any other electronic communication device should be turned off.

While is not feasible to monitor use of laptops throughout the class, if it is discovered that a student(s) use of laptop is not class related, then laptop privileges may be revoked by the instructor. Depending on the extent of the problem, sanctions may apply to the individual or entire class for one class period or even the remainder of semester. Students who are distracted by use of other's laptops are encouraged to report the problem to the instructor.

GRADING SCALE:

90 - 100	A
85 - 90	BA
80 - 85	B
75 - 80	CB
70 - 75	C
65 - 70	DC
60 - 65	D
Below 60	E

COURSE GRADE BASED ON:

Teaching Assignment 5%	(Credit/No-Credit: Teaching, 5 Questions on topic, Critique of other teachings)
	<ul style="list-style-type: none">• Each student will be responsible for one or two teaching assignments to be presented to peers in class• The student will choose at what level the audience is; Private, Commercial; Introduction, Review• <i>Each person is responsible for providing five multiple choice questions</i> about the topic presented. Short answer, essay, true/false and matching questions are not acceptable. One of these questions will be included on the final exam• All other class members will provide a critique of the presentation at its conclusion.• Plan the presentation to last 10 to 20 minutes.
Homework Assignments 5%	(Credit / No Credit: Full credit if satisfactorily completed by due date, 1/2 credit if turned in late.)
FOI Quizzes..... 20%	Actual score
Midterm 30%	Actual score
Final..... 40%	Actual score

AVS 4030 - Flight Instructor Fundamentals

Spring 2009

Tuesday 8:30 - 10:20 AM
AEC

Class Schedule

WEEK	DATE	TOPIC	TESTS & QUIZZES
1	Jan. 6	Introduction, FOI 1	
2	Jan. 13	FOI 2, FOI 3	FOI 1
3	Jan. 20	FOI 4, FOI 5	FOI 2, 3
4	Jan. 27	FOI 6, FOI 7	FOI 4,5
5	Feb. 3	FOI 8	FOI 6,7
6	Feb. 10	FOI 9	FOI 8
7	Feb. 17	FOI Midterm / Publications	FOI Midterm
8	Feb. 24	Regulations/Publications	
9	Mar. 3	Spring Break – No Class	
10	Mar. 10	Regulations	
11	Mar. 17	Endorsements	
12	Mar. 24	Endorsements	
13	Mar. 31	8710 Form/IACRA / Student Application Process	
14	Apr. 7	Reserved / Student Teachings	
15	Apr. 14	Reserved / Student Teachings	
16	Apr. 21	Final	Final

**The instructor reserves the right to modify the schedule.
All changes to the schedule will be announced in class.**