



**Southwestern Illinois College
Course Syllabus
Private Pilot Flight Theory AVIA 101-002
Summer 2008**

GENERAL INFORMATION:

Instructor: Eric T. Stake

Class time: 7 - 9:50 p.m. Tuesday and Thursday

Semester Hours: 3cr

Class Location: MB 02

Campus: Belleville

Phone: (618) 632-9663 (home) / (618) 530-1961 (cell) / (618) 229-8597 (work)

Toll Free in Illinois: 1-800-222-5131

Office Hours: By appointment

E-mail: avia101@stakenet.com

Website: www.swic.edu or www.stakenet.com

COURSE DESCRIPTION: Covers the basic theory of flight, an introduction to elementary meteorology, the flight computer, basic navigation, radio navigation and federal aviation regulations.

PREREQUISITES: none

COURSE OBJECTIVES:

1. To know how to operate an airplane safely and to understand basic aerodynamics, communications and flight information available to pilots.
2. To understand and interpret weather and to understand the role of weather in regard to safe operation of an aircraft.
3. To understand navigation of an aircraft cross country and the significance that performance, weight and balance and human factors have on the safety and successful completion of the operation.

TEXTBOOK(S) & TOOLS:

Jeppesen Sanderson Private Pilot Manual

E6B Flight Computer

Plotter

FAR/AIM

Sectional Chart (will be supplied by your instructor)

GRADING PROCEDURE: Homework assignments are due at the beginning of each class. Assignments and due dates are listed in the Course Schedule/Assignments section. Assignments will not be accepted if they are late.

EXTRA CREDIT: Extra credit can be earned by bringing in aviation-related news items. Be prepared to present the article and discuss it in class.

FAA minimum passing for Stage and Final exams is 80%. If you do not pass a Stage exam, you will retake the exam; however, your final course grade is based upon the first grade. You must pass each Stage exam prior to moving on to the next stage.

Letter Grade Points (total possible points is 325)

A	293 – 325
B	260 – 292
C	228 – 259
D	195 – 227
F	194 and below

Points for Homework Assignments and Examinations

Task	Value
Homework Assignment # 1	10
Homework Assignment # 2	10
Homework Assignment # 3	10
Homework Assignment # 4	10
Homework Assignment # 5	10
Homework Assignment # 6	10
Homework Assignment # 7	10
Homework Assignment # 8	10
Homework Assignment # 9	10
Homework Assignment # 10	10
Total homework points:	100

Task	Value
Stage I Exam	50
Stage II Exam	25
Stage III Exam	50
Final Exam A	50
Final Exam B	50
Total examination points:	225

ATTENDANCE POLICY:

College Policy: You are expected to be present for all assigned classes, lectures or laboratory sessions. If you are absent, you must show your instructor that your absence has been for a good cause. If you are absent more times during the semester than the number of times the class meets per week, you may be dropped from the course at the discretion of the instructor. When a student is dropped by an instructor with an effective date before the midterm date of the class a "W" will be recorded. When a student is dropped for non-attendance by an instructor with an effective date after the midterm date, the instructor will have the prerogative to assign a grade of "F" or "W".

FAA Attendance Requirement: In order to go on and take your FAA Private Pilot examination, you must have attended **no less than 36 hours**. Absences must be made up with additional instruction or you cannot obtain your signoff to take the FAA written examination.

FAA Performance Requirement: In order to go on and take your FAA Private Pilot examination, you must score **80% or better** on all Stage tests and Practice FAA tests (final). If you score less than this, you must make up your score by retaking the applicable test and **scoring 80% or better** or you cannot obtain your signoff to take the FAA written examination.

Attendance is taken for each class. The instructor is available by appointment for additional instruction.

ADDITIONAL INFORMATION:

Special Services – Students with disabilities who believe that they may need accommodations are encouraged to contact the Special Services Center at (618) 222-5368 to ensure that such accommodations are implemented in a timely fashion.

Academic Dishonesty-College Policy – Academic misconduct including, but not limited to, cheating, plagiarism, and forgery; failure or refusal to follow clinical practice standards; and soliciting, aiding, abetting, concealing, or attempting such acts; may result in one of the following being imposed by the Vice President for Student Development: Disciplinary Reprimand, Probation, Social Probation, Suspension, and Expulsion.

Cheating: Working on a class assignment with others, including student tutors, when the instructor has not said that such collaboration activity is permitted.

(While it is permissible to have general discussion about course work, unless your instructor tells you otherwise, any work you hand in must be a result of your individual effort and not the result of collaboration or plagiarism.)

Plagiarism: Failing to enclose quotations in quotation marks, mailing to cite a source, or incorporating another's work into your own.

Phones/Pagers in Classroom – No phones/pagers are allowed in class; all phones/pagers should be turned off prior to entering the classroom. Failure to follow this policy will be considered a student disruption under the Student Conduct Code.

It is highly recommended that you read each chapter prior to class. This will help you to understand subject material, prepare you to discuss the material in class, and help the instructor to answer any questions and clear up any misconceptions you might have.

Upon successful completion of this class, you will have **60 days** to take the FAA private pilot written examination (PAR).

To help you prepare for the FAA private pilot written exam, you will have access to the **ASA PrepWare** software. Your instructor will provide details about using the software to help you prepare for the FAA examination.

An excellent additional reference for taking the private pilot written exam is the Gleim **Private Pilot FAA Knowledge Test** book, available at the SWIC bookstore, Scott Aero Club, or online at www.gleim.com.

Another excellent reference is the online test and study site at Sporty's Pilot Shop website: www.sportys.com/faatest where you can both study and take simulated FAA tests.

NOTE: It is highly recommended that you schedule your FAA exam immediately while the information is fresh in your mind. If you wait...you will have to spend MORE time studying the information you just learned.

Once you complete the FAA Written Test, you must follow up with the instructor with your written test score. Feel free to call or contact me via e-mail.

(Class schedule follows on the next 2 pages...)

TOPICAL OUTLINE/COURSE SCHEDULE/HOMEWORK ASSIGNMENTS:

Date	Course Schedule
10 June 2008	Course Overview/Introductions Discovering Aviation Chapter 1 Sections A, B & C Handout Homework Assignment #1: Due 17 June
12 June 2008	Airplane Systems Chapter 2 Sections A, B & C
17 June 2008	Aerodynamic Principles Chapter 3 Sections A, B & C <u>Turn in Homework Assignment # 1</u> Handout Homework Assignment #2: Due 24 June
19 June 2008	The Flight Environment (Part I) Runway Incursion Training Chapter 4 Sections A, B, C & D
24 June 2008	The Flight Environment (Part II) Chapter 4 Sections A, B, C & D (cont.) Tower Tour and class at Scott AFB tower – 6:45 PM <u>Turn in Homework Assignment # 2</u> Handout Homework Assignment #3: Due 26 June
26 June 2008	Communication and Flight Information Chapter 5 Sections A, B & C <u>Turn in Homework Assignment # 3</u> Handout Homework Assignment #4: Due 3 July Review for Stage I Exam
1 July 2008	<u>Stage I Exam – Chapters 1 - 5</u> Meteorology for Pilots Chapter 6 Sections A, B & C
3 July 2008	Interpreting Weather Data Chapter 7 Sections A, B, C & D <u>Turn in Homework Assignment # 4</u> Handout Homework Assignment #5: Due 5 July

**TOPICAL OUTLINE/COURSE SCHEDULE/HOMEWORK ASSIGNMENTS:
(Continued)**

Date	Course Schedule
8 July 2008	Federal Aviation Regulations FAR Parts 1, 61, and 91 NTSB Part 830 <u>Turn in Homework Assignment # 5</u> Handout Homework Assignment #6: Due 10 July Review for Stage II Exam
10 July 2008	<u>Stage II Exam – Chapters 6, 7 & FAR</u> Aircraft Performance Chapter 8 Section A <u>Turn in Homework Assignment # 6</u> Handout Homework Assignment #7: Due 15 July
15 July 2008	Weight and Balance Chapter 8 Section B Flight Computers Chapter 8 Section C <u>Turn in Homework Assignment # 7</u> Handout Homework Assignment #8: Due 17 July
17 July 2008	Navigation Chapter 9 Sections A, B, C & D Applying Human Factors Principles Chapter 10 Sections A & B <u>Turn in Homework Assignment # 8</u> Handout Homework Assignment #9: Due 22 July
22 July 2008	Flying Cross Country Chapter 11 Sections A & B <u>Turn in Homework Assignment # 9</u> Handout Homework Assignment #10: Due 24 July
24 July 2008	Navigation Demo/Performance Stage III Exam Review
29 July 2008	<u>Stage III Exam – Chapters 8-11</u> <u>Turn in Homework Assignment # 10</u> Review for Final Exam
31 July 2008	<u>Private Pilot Final Exam A</u> <u>Private Pilot Final Exam B</u>