



Southwestern Illinois College
Course Syllabus
Federal Aviation Regulations AVIA 141
Fall 2017

GENERAL INFORMATION

Instructor: Gerry Scheuchner

Class time: Wednesday 7:00 – 9:50 p.m.

Semester hours: 3 **Lecture Hours:** 3 **Lab Hours:** 0

Class Location: **Campus:** Belleville **Room:** LA 1200

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Office Location: N/A

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COURSE DESCRIPTION

A study of the Federal Regulations under the Title 14 Code of the Federal Register that regulates Civil Aviation. Applicable parts of the Federal Aviation Regulations that include Definitions, General Aviation, Commercial Aviation, and Training Requirements along with the National Transportation Safety Board Reporting Requirements are covered in this course.

PREREQUISITES

AVIA 101 or consent of the coordinator.

COURSE OBJECTIVES

This course will develop measurable competencies and referencing skills using the Federal Aviation Regulation guidelines governing Civil Aviation as measured by written examinations and practical applications.

- A. The student will define the specific meanings of regulatory terminology.
- B. The student will determine the appropriate Federal Aviation Regulation Part that corresponds to a given contrived situation.
- C. The student will apply the referenced regulatory information to practical situations.

TEXTBOOK(S)

FAR AIM

Publisher: Aviation Supplies & Academics

Current Publication: 2017

FAR FC

Publisher: Aviation Supplies & Academics

Current Publication: 2017

GRADING PROCEDURE

Mid Term Exam	25%
Final Exam	25%
Student Attendance and Participation	12%
Individual Student Exercises	38%

Letter Grade Points (total possible points is 400)

A 90-100%	(360+)
B 80-89%	(320+)
C 70-79%	(280+)
D 60-69%	(240+)
F <60%	(239 and below)

Attendance & Participation

Each class	3 points each	
Maximum attendance points:		50

Homework Assignments

Homework Assignment # 1 thru #10	15 points each	
Total homework points:		150

***Homeworks 1 – 5 must be turned in by 11 October to receive credit

Homeworks 6 – 10 must be turned in by 6 December to receive credit

Examinations

Midterm Exam	100	
Final Exam	100	
Total examination points:		200

EXTRA CREDIT: Can be earned by bringing in Federal Aviation Regulation-related news items (current events). Be prepared to present the article and discuss it in class. **(2 points awarded)**

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 that 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 “WF” or “W”.

DISABILITY & ACCESS CENTER

Students with disabilities who believe that they may need accommodations are encouraged to contact the Disability & Access Center at 618-222-5368 or 618-234-3347 (TDD) to ensure that such accommodations are implemented in a timely fashion.

STUDENT LEARNING OUTCOMES

The assessment of student learning is an integral part of the educational experience at Southwestern Illinois College. To this end, the faculty continually assess student learning to improve student success. Occasionally you will be requested to participate in college-wide and discipline specific assessment activities. Please take these assessments seriously. The data that is collected will provide valuable information to faculty and will be used to improve student learning at SWIC.

COURSE SCHEDULE

Academic Dishonesty-College Policy - Academic misconduct includes, but is not limited to cheating, plagiarism and forgery, failure or refusal to follow clinical practice standards, and soliciting, aiding, abetting, concealing, or attempting such acts. Plagiarism is defined as the act of representing the work of another as one’s own. Plagiarism may consist of copying, paraphrasing, or otherwise using written or oral work of another without proper acknowledgment of the source or presenting oral or written material prepared by another as one’s own.

Phones in Classroom – All cell phones and electronic devices should be turned off or silenced prior to entering the classroom. Any permission for usage should be obtained prior to the start of class and is at the discretion of the instructor.

SWIC Know online orientation - All new students are encouraged to participate in the SWIC Know online orientation, where students learn about the many programs and services available to help them succeed in college. SWIC know orientation can be found at eSTORM.SWIC.edu.

Academic Rigor Statement - You are enrolled in an academically rigorous college course. Your success in this course will require a significant investment of time outside of the class. According to the Administrative Rules of the Illinois Community College Board (section 1501.309), it is assumed that the student will invest two hours of outside study time for each hour of classroom lecture time and one hour of outside study time for each two hour laboratory session.

Policy for Inclement Weather Conditions – During times of inclement weather, Southwestern Illinois College has three options for dealing with the situation: cancel classes and cease all business, exercise the delayed-start option, or keep the college open. If the college chooses to use the delayed-start option rather than close, **the college will open at 10 a.m.** The decision to cancel classes or exercise the delayed-start option will be posted on the home page of Southwestern's Web site at www.swic.edu as well as broadcast on FOX 2 (KTVI), KMOV-TV Channel 4, KSDK-TV Channel 5, and radio stations KMOX-AM 1120 and WIL-FM 92.3.

SWIC Alert: This free emergency alert system sends text messages and/or emails to students and employees who have signed up for it. The only cost is what the cell phone carrier charges to receive text messages. You may choose to receive text messages or emails for a specific campus or all campuses. Once enrolled, your account is active for one year. You will receive notice 30-days before your enrollment will expire.

How to Register

1. Log in to eSTORM at estorm.swic.edu
2. Click Main Menu in the upper left
3. Scroll over SWIC Alert and choose SWIC Alert Signup

Emergency Procedures - General information about the emergency response and evacuation procedures for Southwestern are publicized each year as part of the institution's Clery Act compliance efforts and that information is available on the Southwestern Public Safety website. Emergency Response Guides and Plans are available on the Public Safety website at SWIC.edu/publicsafety.

Official Communication - Your student e-mail account is the official method to communicate between you and your instructor. Official communication will not be sent to your personal e-mail (yahoo, wildblue, gmail etc.).

OUTLINE/COURSE SCHEDULE/HOMEWORK ASSIGNMENTS:

<u>Date</u>	<u>Course Schedule</u>
23 August 2017	Course Overview/Introductions Read Parts 1 and 61 (1-110) Title 14 CFR Part 1: Definitions and Abbreviations
30 August 2017	Title 14 CFR Part 61: Certifications: Pilots, Flight Instructors, and Ground Instructors Subpart A: General Certification of Pilots Certification of Flight Instructor Subpart B: Aircraft Ratings & Pilot Authorizations Read Part 61 Subparts C, E, F
6 September 2017	Title 14 CFR Part 61: Certifications: Pilots, Flight Instructors, and Ground Instructors (cont'd) Subpart C: Student Pilots Subpart E: Private Pilots Subpart F: Commercial Pilots Subpart G: Airline Transport Pilots Subpart H: Flight Instructors Subpart I: Ground Instructors Homework #1 Read Part 61 Subparts G,H,I
13 September 2017	Title 14 CFR Part 61: Certifications: Pilots, Flight Instructors, and Ground Instructors (cont'd) Subpart G: Airline Transport Pilots Subpart H: Flight Instructors Subpart I: Ground Instructors Homework #2 Read Part 91 Prep for Mid-Term
20 September 2017	Title 14 CFR Part 91: General Operating & Flight Rules Subpart A: General Subpart B: Flight Rules (General) Visual Flight Rules Instrument Flight Rules Homework #3 Read Part 97 & 119 Prep for Mid-Term

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

<u>Date</u>	<u>Course Schedule</u>
27 September 2017	Title 14 CFR Part 97: Standard Instrument Procedures Subpart A: General Subpart B: Procedures Subpart C: TERPS Procedures Title 14 CFR Part 119: Certification Air Carriers and Commercial Operators Subpart A: General Subpart B: Applicability Under Parts 121, 125, 135 Subpart C: Certification Under Parts 121 or 135 Homework #4 Read Part 121 Subpart A,E,F,G,N Prep for Mid-Term
4 October 2017	Title 14 CFR Part 121: Air Carriers and Operators For Compensation or Hire Subpart A: General Subpart E: Approval of Routes: Domestic/Flag Ops Subpart F: Approval of Areas & Routes For Supplemental Operations Subpart G: Manual Requirements Subpart N: Training Program Homework #5 Prep for Mid-Term
11 October 2017	Mid-Term Exam/Air Florida Flight 90 Read Part 135, Subparts A,B,D,E,F,G,H,K
18 October 2017	Title 14 CFR Part 135: Operating Requirements Commuter And On Demand Operations Subpart A: General Subpart B: Flight Operations Subpart D: VFR/IFR Operating Limitations/Weather Requirements Subpart E: Flight Crewmember Requirements Subpart F: Crewmember Flight Time and Duty Period Limitations and Rest Requirements Subpart G: Crewmember Testing Requirements Subpart H: Training Subpart K: Hazardous Materials Training Program Read Parts 71 & 110 Homework #6

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

<u>Date</u>	<u>Course Schedule</u>
25 October 2017	Title 14 CFR Part 71: Designation of Class A, B, C, D, and E Airspace Areas Subpart A: Class A Airspace Subpart B: Class B Airspace Subpart C: Class C Airspace Subpart E: Class D Airspace Subpart F: Class E Airspace Title 14 CFR Part 110: General Requirements Read Part 65 Homework #7
1 November 2017	Title 14 CFR Part 65: Certification: Airmen Other Than Flight Crewmembers Subpart A: General Subpart B: Air Traffic Control Tower Operators Subpart C: Aircraft Dispatchers Subpart D: Mechanics Subpart E: Repairmen Read Part 21 & 43
8 November 2017	Title 14 CFR Part 21: Certification Procedures for Products/Parts Subpart A: General Subpart B: Type Certificates Subpart C: Provisional Type Certificates Subpart D: Changes to Type Certificates Subpart E: Supplemental Type Certificates Subpart F: Production under Type Certificate Only Subpart G: Production Certificates Subpart H: Airworthiness Certificates Subpart I: Provisional Airworthiness Certificates Read Parts 145, 175 Homework #8

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

<u>Date</u>	<u>Course Schedule</u>
15 November 2017	Title 14 CFR Part 145: Repair Stations Subpart A: General Subpart B: Certification Subpart C: Housing, Facilities, Equipment, Materials, Data Subpart D: Personnel Subpart E: Operating Rules Title 14 CFR Part 175: Hazardous Material Regulations Title 14 CFR Part 43: Maintenance, Preventive Maintenance, Rebuilding, and Alteration Homework #9 Read NTSB Part 830
22 November 2017	No Class (Happy Thanksgiving)
29 November 2017	National Transportation Safety Board Part 830 Title 14 CFR Part 117: Flight and Duty Limitations Review for Final Exam Homework #10 Make-up day of uncovered materials Read Colgan Air Flight 3407 Case Study
6 December 2017	Colgan Air Flight 3407
13 December 2017	Final Exam