



Southwestern Illinois College
Course Syllabus
Aviation History AVIA 108
Fall 2017

GENERAL INFORMATION

Instructor: Gerry Scheuchner

Class time: Monday/Wednesday 5:00 – 6:15 p.m.

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

Class Location **Campus:** Belleville **Room:** 2180

Phone: (618) 558-7365 (C) / (618) 256-2002 (work)

Toll Free in Illinois: 1-866-942-SWIC (7942)

Office Hours: By appointment

Office Location: N/A

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Homework and class slides are available at [www.stakenet.com/flight training/AVIA108](http://www.stakenet.com/flight%20training/AVIA108)

COURSE DESCRIPTION

A chronological review of the history of aviation beginning with the first balloon flight in 1783 continuing through the development of the modern turbofan jet transport airplane. This course covers the advancement of aircraft through the technological research by the military and space flight developments.

PREREQUISITES

None

COURSE OBJECTIVES

At the end of the course the student will develop measurable competencies by written examinations in the following areas:

1. The early historical events that marked man's first attempts at controlled flight.
2. Key individuals who pioneered the early beginning of modern flight technology.
3. Military events that triggered technological developments in aviation.
4. The beginning of the Jet Age and the effect on today's modern air transportation system.
5. Recent technological developments in atmospheric and space flight operations.

TEXTBOOK(S)

Aviation History
Author: Anne Millbrooke
Publisher: Jeppesen, 1999, 2000, 2006 Edition
ISBN: 0-88487-433-8

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. Mid- term and final exam will cover material from the text book and videos.

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

Each class	2 points each	
Total attendance points:		60

Homework Assignments

Homework Assignment # 1 thru #10	10 points each	
Total homework points:		100***

***Homeworks 1 – 5 must be turned in by 1 October to receive credit
Homeworks 6 – 10 must be turned in by 4 December to receive credit

Examinations

Midterm Exam	70	
Final Exam	70	
Total examination points:		140

Paper/Presentation

Paper	50	
Presentation	50	
Total points:		100

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

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>
21 August 2017	Course Overview/Introductions Review Course Projects Ungraded Quiz Read Chapter 1 Handout Homework Assignment #1
23 August 2017	Library Tour 5:00 – 6:15pm
28/30 August 2017	Chapter 1 – Early Aviation, 1783 – 1914 Turn in Homework Assignment # 1 Read Chapter 2 Prep for Student Paper/Presentation Handout Homework Assignment #2
6 September 2017	Chapter 2 – Wright Brothers, 1896 - 1914 Turn in Homework Assignment # 2 Read Chapter 3 Prep for Student Paper/Presentation Handout Homework Assignment #3
11/13 September 2017	Chapter 3 – Early Flight, 1904 – 1914 Turn in Homework Assignment # 3 Read Chapter 4 Prep for Student Paper/Presentation Handout Homework Assignment #4
18/21 September 2017	Chapter 4 – World War I, 1914 - 1919 Turn in Homework Assignment # 4 Read Chapter 5 Prep for Student Paper/Presentation Handout Homework Assignment #5 Turn in topic for Individual Student Presentation
25/27 September 2017	Chapter 5 – Peacetime Aviation, 1919 - 1927 Turn in Homework Assignment # 5 Read Chapter 6 Prep for Student Paper/Presentation/Mid-Term Exam Handout Homework Assignment #6
1/3 October 2017	Chapter 6 – Golden Age, 1927 - 1939 Turn in Homework Assignment # 6 Exam Review Prep for Mid-Term Exam Handout Homework Assignment #7: Individual Student Course Paper Due 3 Oct!

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

<u>Date</u>	<u>Course Schedule</u>
9/11 October 2017	Midterm Exam – Chapters 1-5 Read Chapter 7 Prep for Student Presentation
16/18 October 201	Chapter 7 – World War II, 1939 - 1945 Turn in Homework Assignment # 7 Read Chapter 8 Prep for Student Presentation Handout Homework Assignment #8
23/25 October 2017	Chapter 8 – Cold War, 1945 - 1958 Turn in Homework Assignment # 8 Read Chapter 9 Section A & B Prep for Student Presentation Handout Homework Assignment #9
30 Oct/1 Nov 2017	Chapter 9 – Space Age Aviation, 1959 – 1989 Read Chapter 9 Section C & D Prep for Student Presentation Handout Homework Assignment #10
6/8 November 2017	Chapter 9 – Space Age Aviation, 1959 - 1989 Read Chapter 10, Modern Aerospace, 1990 - Present Turn in Homework Assignment # 9 Handout Homework Assignment #10
13/15 November 2017	Chapter 10 – Modern Aerospace, 1990 - Present Prep for Student Presentation/Final Exam
20 November 2017	Individual Student Presentations
22 November 2017	No Class (Happy Thanksgiving)
27/29 November 2017	Individual Student Presentations Exam Review Prep for Final Exam
4/6 December 2017	Make-up day
11/13 December 2017	Final Exam Chapters 6 - 10

Individual Student Course Paper Criteria 50 Points

Conduct research on a topic in aviation history and write a six-page report, APA format, and typed on the topic. You must use and cite at least three different sources of information on the topic. The paper must describe a single theme and indicate what is historically significant about the topic. Organize in chronological order (if applicable). Answer who, what, when, where, and why. Page six will contain a list of at least three references/sources. 10 points will be deducted for each class session papers are turned in late.

Select one of the following:

The Origins of Air Mail Service in the United States

Chuck Yeager Breaking the Sound Barrier

Spirit of St Louis & the Lindbergh Flight from New York to Paris

The Tuskegee Airman

Tokyo Raiders: Doolittle Raid

The Space Shuttle Challenger accident

The First Ladies of Flight

The Story of Amelia Earhart

The Rise and Fall of Pan American

First Successful Helicopter Flight, Igor Sikorski

The US/USSR race to the moon

The development of the jet engine

Checklist:

- Six pages (not including cover page) (5 points)
- Double-spaced (5 points)
- Three references/sources and cited (5 points)
- Format: Introduction, body, and conclusion (5 points)
- Reference page (5 points)

Student Presentations Criteria 50 Points

Conduct research and develop a presentation on an airport that is located in the United States. The airport must be approved by the instructor by the date stated on the syllabus. Develop an outline using the Introduction, Body, and Conclusion format. You will be graded on the content and timing criteria. Ten minutes is the **minimum** for each presentation. You will lose five points for each minute short of ten. The **maximum** time for each presentation is fifteen minutes. You will lose five points for each minute over fifteen.

Examples of airports that may be used:

Scott Air Force Base

Lambert International Airport

O'Hare International Airport

Meigs Field

St Louis Downtown Airport

Whiteman Air Force Base

Checklist:

- ___ Outline for Instructor to Follow Presentation (5 points)
- ___ Visual Aid (Power point, video, poster, handouts, book, brochure, etc) (10 points)
- ___ References/sources cited on Outline (5 points)
- ___ Format: Introduction, body, and conclusion (5 points)
- ___ Practice