

ASCI 121, Private Pilot Operations
ACADEMIC TRAINING SYLLABUS
Embry-Riddle Aeronautical University
Daytona Beach College of Aviation

Semester: Both
Course#: ASCI 121 – Section
Course Title: Private Pilot Operations
Credit Hours: 6
Class Times: 8th Period
Location: NC 172V

Instructor: Prof. Root
Office: NC 171V
Telephone: 708-579-6300
Office Hours: By Appointment
Email: droot@d204.lths.net

Required Textbooks and Equipment (current editions of each) – FREE = free to download

1. *Pilot's Handbook of Aeronautical Knowledge* (PHAK): FAA – (electronic or paper)
2. *Airplane Flying Handbook* (AFH): FAA – (electronic or paper)
3. *Pilot's Information Manual*, (Cessna 172 S model) – Current training aircraft model
4. *Code of Federal Regulations and Aeronautical Information Manual* – (electronic or paper)
5. *Chart Supplement* (Southeast Region): FAA (electronic or paper)
6. Sectional Chart, Jacksonville (**PAPER copy**)
7. Flight Computer/Calculator, (manual or electronic)
8. Aeronautical Navigation Plotter,
9. Access to the **Gleim Private Pilot Test Software** through (www.Gleim.com – a free link will be provided)

Course Description:

This course develops aeronautical knowledge for Private Pilot certification with Airplane Single Engine Land rating; regulations, safety, pre-solo operations, cross-country planning, airspace, chart use, communications, weather, performance, weight and balance, aerodynamics, decision-making.

Course Goals:

Students will develop the foundational knowledge and skills required for a professional pilot career, including basic aerodynamics, flight planning, and resource management, with practical application in single-pilot, single-engine aircraft.

Learning Outcomes:

During this course the student will, to the satisfaction of the instructor, demonstrate competency in:

1. Describe NTSB accident reporting requirements and Federal Aviation Regulations applicable to private pilots.
2. Apply information found in Advisory Circulars and the Aeronautical Information Manual (AIM) applicable to private pilot operations.
3. Use aeronautical charts, Visual Flight Rules (VFR) navigation methods, navigation systems, and radio communications appropriate to private pilot operations and the National Airspace System (NAS).

4. Interpret aeronautical weather reports and forecasts to effectively address flight through selected normal and critical weather situations.
5. Explain safe and efficient aircraft operations, including ground and flight operations, collision avoidance, wake turbulence, stall awareness, and spins.
6. Analyze density altitude, aircraft performance, and weight and balance.

Attendance Requirements:

Attendance is required for the course. Therefore, attendance will be taken at the start of every class period. Students that do not attend class will be marked absent. Students arriving late for class (after attendance has been taken) will be marked absent.

Course Grading: Grading Scale

A= 90% through 100%
 B = 80% through 89%
 C = 70% through 79%
 D = 60% through 69%
 F = 0% through 59%

Grade Breakdown for ASCI 121:

- **Exams – 60% (6 Exams)**
- **Gleim Assignments – 20%**
- **Homework and Quizzes – 20%**

Exams:

- **To preserve academic integrity, examinations shall be administered either through Canvas or in paper format, at the discretion of the professor.** During the administration of any examination, students are prohibited from printing, copying, pasting, or accessing other websites. All paper examinations shall be collected and retained by the professor.
- Any missed examination must be completed during the next scheduled class period.
- Students who receive a failing grade on an exam or quiz may not retake it. The original grade will be included in the final course grade.

Class Involvement:

I value your engagement in this course. You are encouraged to participate in discussions, ask questions, and offer comments or suggestions that support learning and class interaction. If you have concerns about a grade, particularly an exam grade, please meet with me. I appreciate your feedback, and your input is encouraged because it contributes to the learning process.

Assignments:

Late Assignments: All assignments are due at the start of the assigned class session.

Classroom Policies:

1. Cell phones must be silenced before class and may not be used during class unless authorized by the instructor.
2. Special note on classroom behavior –
 - a. It is expected that during educational activities students pay attention and participate in the activity(ies) at hand. Sidebar conversations are disruptive and distracting and will not be tolerated.

3. You are expected to be in class for the entire class period. If you arrive late for class, come in as quietly as possible but you will be counted absent. If you leave class, you may be marked absent for that class.
4. No recording of the class unless express permission is given by the instructor EACH time.
5. Inappropriate language, obscenity, demeaning behavior toward other students and harassment of any kind will not be tolerated.

Errors in Judgement:

Suspicion of plagiarism or cheating on any assignment, exam or quiz will be referred to the Chairman of the Department for review. Confirmation of plagiarism or cheating on any exam or quiz will earn a **grade of zero** on the associated exam/quiz, and the incident will be reported to the Dean of Students for further action as outlined in the current catalog under Academic Integrity/Conduct.

Team Work:

The purpose for these team work assignments is to begin helping you prepare for your role as a crew member on the airplane flight-deck. **You must learn to be effective in any group at any time.** Working together in the classroom environment is designed to help with this process. If there are any problems on your team that affect team performance, please do not hesitate to seek a confidential conference with the course instructor.

Collaboration:

Sometimes you will be directed to or allowed to work with other classmates on assignments/homework. This is to enhance learning and allow **EACH person to ACTIVELY contribute**. In **NO CASE** are you to simply copy your partner's work. If working together and you arrive at the same or similar answer(s), **the names on the submission document MUST include all that participated in the exercise.**

Plagiarism: Using another's work from print, web, or other sources without acknowledging the source; quoting from a source without citation; using facts, figures, graphs, charts or information without acknowledgment of the source. Plagiarism reflects unprofessional ethics and will result in a grade of F for any act of plagiarism on examination, quizzes, homework, or labs.

Cheating: Copying from another student's paper or receiving unauthorized assistance during a quiz, examination; using books, notes when these are not authorized; procuring without authorization, a copy of or information about a quiz, examination, or lab; unauthorized collaboration on exams. Cheating also reflects unprofessional ethics and will result in a grade of F for any act of plagiarism on examination, quizzes, homework, or labs. The incident will be reported to the Dean of Students for further action as outlined in the current catalog under Academic Integrity/Conduct.

Disability Related Accommodations: Embry-Riddle provides reasonable accommodations for students with documented disabilities through Student Accessibility Services. Students must seek accommodations by applying through the SAS online application. Once reasonable accommodations have been approved, students must notify each instructor for each course, each semester. ERAU SAS will work closely with you and your school to determine reasonable accommodations for your ACA course(s). **For additional information, please contact Student Accessibility Services at dbsas@erau.edu.**

Student Resources

CANVAS HELP

When logged in to Canvas, click Help – located at the bottom of the global navigation on the left side. This menu has choices for Canvas Support that you can choose from:

- Search the Canvas Guides
- Canvas Support Hotline at 1-833-334-2831, available 24 hours a day, 7 days a week
- Chat with Canvas Support

[Links to an external site.](#)

HUNT LIBRARY

The Hunt Library is here to help you succeed with finding just the right information resources. For detailed research assistance, please contact [Ask a Librarian](#)

- Website: <https://huntlibrary.erau.edu>

 Email: library@erau.edu

 Phone: 386-226-7656 | 800-678-9428