School of Human Sciences  
Commercial Pilot Flight Lab III, AVSC 3226-051  
Summer II 2024

Instructor: Jack Gainer  
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Other Contact Information: 717-279-1019  
Prerequisites: PSEL Certificate with Instrument

Course Time & Location: TBD 1-1  
Office Hours: T/Th 0800-1000  
Credits: 2  
Email: John.Gainer@SFASU.edu  
Co-Requisite: None

I. Course Description:
This Commercial Flight Lab was developed to meet those Federal Aviation Administration requirements for the aeronautical knowledge outlined in 14CFR §61, 14CFR §141 and FAA Airman Certification Standards. In Commercial Flight Lab III, the student will be introduced to commercial maneuvers in a multi-engine airplane and various inflight emergency scenarios that will increase their ADM Skills. In addition, the student will expand basic flying skills, Stall Recovery procedures, Spin Awareness, Collision avoidance and Wake Turbulence avoidance.

Course Credit Justification: AVSC “Commercial Flight Lab 3” (2 credits). This course is typically taught two days per week for 240 minutes which includes 30 flight hours for 15 weeks. Students complete significant out of class readings and weekly exercises which equals 2 hours per training day of self-study and preparation

II. Intended Learning Outcomes/Goals/Objectives (Program/Student Learning Outcomes):
The mission of the College of Education is to prepare competent, successful, caring, and enthusiastic professionals dedicated to responsible service, leadership, social justice and continued professional and intellectual development in an interconnected global society.

In the College of Education at Stephen F. Austin State University, we value and are committed to:
1. Academic excellence through critical, reflective and creative thinking
2. Life-long learning
3. Collaboration and shared decision making
4. Openness to new ideas, culturally diverse people and innovation and change
5. Integrity, responsibility, diligence, and ethical behavior, and
6. Service that enriches the community

This course relates to the College of Education’s Conceptual Framework (CF) and/or Vision, Mission, Goals, and Core Values (VMGV).

Program Learning Outcomes:
1. Complete Certificates and Ratings for a career as a professional pilot in the Aviation Industry
2. Meet eligibility requirements outlined in the Federal Aviation Regulations: 14CFR §61, 14CFR §141 and FAA Airman Certification Standards

Student Learning Outcomes:
Upon successful completion of this course, the student will:
1. Demonstrate familiarity with the Federal Aviation Regulations as they pertain to the Commercial Pilot.
2. Demonstrate Preflight, Taxiing and Pre-Takeoff tasks.
3. Describe Airport Markings, Lighting, and Runway Incursion Avoidance.
5. Comprehend Drag Demonstration and Stalls.
6. Demonstrate VMC Demonstration and Recovery.
7. Demonstrate proper Stall Recovery procedures, Slow Flight, and Spin Awareness skills.
8. Demonstrate managing In-flight Emergencies
10. Demonstrate Parking, Securing Airplanes, and Postflight Procedures

III. Lab Assignments, Activities, Instructional Strategies, Use of Technology:
1. Successfully demonstrate Commercial Flight multi-engine maneuver requirements in accordance with Federal Aviation Regulations and the TCO Stage 3 Stage Check Flight
2. Complete the requirements in the Approved TCO regardless of completion under 14CFR §61 requirements or 14CFR §141
3. Students must complete a minimum of 50 contact flight hours (Flight and Ground)
4. Attendance: Students are expected to attend class regularly. Greater than 3 unexcused absences will result in a failing grade. Federal Guidance is used for minimum contact hours for each Airman Certificate or Rating course. These minimum contact hours cannot be achieved if more than 3 scheduled class sessions have been recorded as absent. Absences determined to be excused by the course Instructor may be ‘made-up’ in a manner determined by the Instructor.

IV. Evaluation & Assessments (Grading):
Successfully demonstrate Instrument Flight by Reference to Instruments requirements in accordance with Federal Aviation Regulations and complete the requirements in the Approved TCO regardless of completion under 14CFR §61 requirements or 14CFR §141 and complete a total of 30 flight hours.

This Flight Lab is graded on a PASS/FAIL basis determined by Flight Skill Lesson Completion Standards found in the TCO. In addition, attendance is used in the determination of eligibility for a Withheld (WH) grade.

Final grade will be determined by cumulative performance standards deviances as follows:
- Unable to meet Minimum Completion Standards during a Mandated/Graded Progress Check
- Unable to meet Minimum Knowledge Standards for the Stage Check Exam
- Unable to meet Minimum Skills Standards for the Stage Check Flight
- Failure to maintain Schedule Attendance policy (No-Show)

A Passing grade cannot be recorded if a student accumulates greater than 3 standards deviances.

Note: a Progress Check will become mandated and gradable when a Flight Skills Lesson has been unsuccessfully attempted twice.

V. Tentative Course Outline

<table>
<thead>
<tr>
<th>Unit</th>
<th>Week(s)</th>
<th>Topics/Content</th>
<th>Books &amp; Readings</th>
<th>Activities &amp; Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1-2</td>
<td>Flight Skills Lessons 27-29</td>
<td>Airplane Flying Handbook</td>
<td>One Engine Inoperative</td>
</tr>
<tr>
<td>2</td>
<td>3-6</td>
<td>Flight Skills Lessons 30-31</td>
<td>Airplane Flying Handbook</td>
<td>Cross Country</td>
</tr>
<tr>
<td>3</td>
<td>7-12</td>
<td>Flight Skills Lesson 32-34</td>
<td>Airplane Flying Handbook</td>
<td>IFR Skills</td>
</tr>
<tr>
<td>5</td>
<td>15-16</td>
<td>End Of Check Preparation</td>
<td>HCH Aviation CMEL TCO EOC</td>
<td>End Of Course Check</td>
</tr>
</tbody>
</table>

VI. Lab Textbook (Purchase required):
Federal Aviation Regulations/Aeronautical Information Manual (FAR/AIM)
VII. Course Evaluations:

Near the conclusion of each semester, students in the Perkins College of Education electronically evaluate courses taken within the PCOE. Evaluation data is used for a variety of important purposes including:
1. Course and program improvement, planning, and accreditation;
2. Instruction evaluation purposes; and
3. Making decisions on faculty tenure, promotion, pay, and retention.

As you evaluate this course, please be thoughtful, thorough, and accurate in completing the evaluation. Please know that the PCOE faculty is committed to excellence in teaching and continued improvement. Therefore, your response is critical!

In the Perkins College of Education, the course evaluation process has been simplified and is completed electronically through MySFA. Although the instructor will be able to view the names of students who complete the survey, all ratings and comments are confidential and anonymous, and will not be available to the instructor until after final grades are posted.

VIII. Student Ethics and Policy

Important course related policies:
Course Grades (Including WH), Policy 5.5
Final Course Grade Appeals by Students, Policy 6.3
Academic Accommodation for Students with Disabilities, Policy 6.1
Appeal Procedure Relating to the Provision of accommodations for students with Disabilities, Policy 6.6
Class Attendance, Policy 6.7
Code of Student Conduct and Academic Integrity, Policy 10.4

***Other other SFA Policy Information

IX: Resources

On-campus Resources:
SFASU Counseling Services • www.sfasu.edu/counselingservices
XI. Other Relevant Course Information:

This course is derived from a Federal Aviation Administration Approved Training Course Outline as described in 14CFR §141.55. The course must be delivered in a manner acceptable to The Administrator by a certificated Ground or Flight Instructor who has been standardized by The Designated Chief Instructor. Specific federal and course guidelines have been highlighted and must be adhered to in order to receive a Graduation Certificate under the guidance found in 14CFR §141.95.

- Students who do not successfully complete the FAA Commercial Pilot Airplane Written Knowledge test cannot receive a Passing Grade.
- Students who do not attain an average of 85% on all Unit Quizzes and Study Assessments will NOT receive the required Instructor Endorsement to take the Written Knowledge Test until they demonstrate readiness via a Self-study Program.
- Students are expected to attend class regularly. Greater than 3 unexcused absences will result in a failing grade. Federal Guidance is used for minimum contact hours for each Airman Certificate or Rating course. These minimum contact hours cannot be achieved if more than 3 scheduled class sessions have been recorded as absent. Absences determined to be Excused by the course Instructor may be ‘made-up’ in a manner determined by the Instructor.
- Students wishing to pursue the Aviation Courses and Flight Labs directly related to the award of a Federal Aviation Administration (FAA) Pilot Certificate or Rating must first obtain an appropriate FAA Medical Certificate through an FAA approved Aviation Medical Examiner. It is not lawful for Aviation Students to be awarded disability accommodations that are not acceptable by or, in conflict with the Federal Aviation Administration’s guidelines. Should a student have any disabilities that require such accommodations, it is the student’s sole responsibility to obtain an unrestricted First Class Medical Certificate through the FAA’s Statement of Demonstrated Ability (SODA). Please refer to the FAA SODA Guidelines found at https://www.faa.gov/about/office_org/headquarters_offices/avs/offices/aam/ame/guide/app_process/general/appeals/soda/

For information on how to obtain an FAA Medical Certificate and a list of AMEs please go to https://www.faa.gov/licenses_certificates/medical_certification/get/.

Acceptable Student Behavior

- Stephen F. Austin State University Aviation students pursuing flight training are required to understand, acknowledge and abide by the Flight Training Provider’s Code of Conduct policies. These policies focus on Safety First, Security, Incident/Accident Prevention, Professional Conduct and, the use of illegal drugs and alcohol. SFASU Aviation Students will be subjected to drug and alcohol screenings as directed by the Chief Instructor Pilot.

- Acceptable behavior also includes how you interact with your fellow students in class discussions, online discussion forums, and any group work. Language used should always be professional. While you are encouraged to share personal experiences as examples for synthesizing class information, it will never be required of you to disclose information that makes you uncomfortable. When disagreeing with
other students in the class, please be professional and refrain from profanity, personal attacks, and slurs.

- The indented career employment goal for the Stephen F. Austin State University Aviation Sciences Degree is the achievement of the FAA Airline Transport Pilot Certificate. Therefore, it is appropriate for students participating in the pursuit of any pilot certificate to adhere to those standards found in 14CFR §61.153:

  §61.153 Eligibility requirements: General.
  To be eligible for an airline transport pilot certificate, a person must:
  (a) Meet specific age requirements as outlined
  (b) Be able to read, speak, write, and understand the English language.
  (c) Be of good moral character

- Students wishing to pursue the Aviation Courses and Flight Labs directly related to the award of a Federal Aviation Administration (FAA) Pilot Certificate or Rating meet the Aviation English Language Standard as outlined in AC 60-288. Instructors who cannot adequately determine a student’s AELS level shall refer that student to the Chief. If the Chief is unable to definitively determine the student AELS level the Chief shall refer the student to the Houston Flight Standards District Office for screening and AELS evaluation.

- When this course is conducted under the guidance of a 14CFR §141 Approved Training Course Outline students are not eligible for credit as describe in §141.77(c)(1)-(4).

Class participation
- Class participation promotes a valuable learning environment, and is therefore encouraged and expected. Participation includes asking questions (for clarification or better understanding), discussing current or controversial issues related to course content, exploring applications of ideas or concepts, problem solving, and other exchanges of ideas. It is the student's responsibility (and to his/her benefit) to read the material assigned in the class schedule prior to the assignment to be able to participate effectively in discussion postings and/or activities. Students are encouraged to collaborate with others in the class when studying and/or reviewing material via chat, student-created discussion board postings, in person, or other methods by which they may find to be successful.

Proof of Citizenship
- Students enrolled in Flight Labs or Ground Courses associated with the pursuit of an Airman Certificate or Rating must provide proof of US Citizenship under Federal Law.
- Valid Government Issued Photo ID or US Passport
- US Born Birth Certificate or US Passport
- Naturalization Certificate or US Passport