Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.
COURSE SYLLABUS

AVIA 210
PRIVATE GROUND I

COURSE DESCRIPTION

Provides an introduction to aviation terms and concepts, to include basic aerodynamics, aircraft systems, and FAA publications.

RATIONALE

The purpose of this course is to prepare the student to take the Federal Aviation Administration (FAA) written exam, to expose the student to opportunities in aviation, and to encourage Christian students to pursue careers in aviation-related areas so that they can be a Christian influence in the aviation industry.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: http://bookstore.mbsdirect.net/liberty.htm

III. ADDITIONAL MATERIALS FOR LEARNING

A. Computer with basic audio/video output equipment
B. Internet access (broadband recommended)
C. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

Upon successful completion of this course, the student will be able to:
A. Calculate weight and balance.
B. Explain the four forces of flight.
C. Explain the effects of parasite and induced drag on flight.
D. Measure the crosswind component of flight.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

A. Web-Based course assignments (8)

Student will complete weekly assignments within the Cessna/King Schools web-based course.
B. Course Requirements Checklist

After reading the Course Syllabus and Student Expectations, the student will complete the related course requirement checklist found in Module/Week 1.

C. Discussion Board Forums and Replies (2)

Discussion boards are collaborative learning experiences. Therefore, the student is required to create a thread in response to the provided prompt for each forum. Each thread must be at least 250 words and demonstrate course-related knowledge. In addition to the thread, the student is required to reply to 2 other classmates’ threads. Each reply must be at least 100 words.

D. Essay Questions (2)

The student will respond to data provided in the format of essay questions. Each response must be at least 50–150 words.

E. Presentation – Inflight Emergencies

Students are to use what they learned within Phase 3 Lesson 4 of the Cessna/King Schools web-based course and prepare a powerpoint presentation on a single in-flight emergency. This powerpoint will be narrated by the student and should be at least 4 slides including the following: Define the emergency and the appropriate in-flight actions needed, as well as any post flight action required (if any). This assignment will be submitted to Blackboard using Kaltura (or similar product).

F. Quizzes (2)

Each quiz will cover the Reading & Study material for the assigned modules/weeks. Each quiz will be open-book/open-notes, contain 20 multiple-choice and/or true/false questions, 2 essay questions, and have a 1-hour and 30-minute time limit.

COURSE GRADING AND POLICIES

A. Points

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Discussion Board Forums (2 at 100 pts ea)</td>
<td>200</td>
</tr>
<tr>
<td>Essay Questions (2 at 100 pts ea)</td>
<td>200</td>
</tr>
<tr>
<td>Presentation- Inflight Emergencies</td>
<td>160</td>
</tr>
<tr>
<td>Quizzes (2 at 100 pts ea)</td>
<td>200</td>
</tr>
<tr>
<td>Web-Based Course Assignments (8 at 30 pts ea)</td>
<td>240</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1010</strong></td>
</tr>
</tbody>
</table>

B. Scale

A = 900–1010    B = 800–899    C = 700–799    D = 600–699    F = 0–599

C. Late Assignment Policy
If the student is unable to complete an assignment on time, then he or she must contact the professor immediately by email.

Assignments that are submitted after the due date without prior approval from the professor will receive the following deductions:

1. Late assignments submitted within one week of the due date will receive a 10% deduction.
2. Assignments submitted more than one week late will receive a 20% deduction.
3. Assignments submitted two weeks late or after the final date of the course will not be accepted.
4. Late Discussion Board threads or replies will not be accepted.

Special circumstances (e.g. death in the family, personal health issues) will be reviewed by the professor on a case-by-case basis.

D. Disability Assistance

Students with a documented disability may contact Liberty University Online’s Office of Disability Academic Support (ODAS) at LUODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.
# Course Schedule

**AVIA210 – 8 Week**

Web-Based Course: Cessna/King Schools – Private Pilot Course

<table>
<thead>
<tr>
<th>Module/Week</th>
<th>Reading &amp; Study</th>
<th>Assignments</th>
<th>Points</th>
</tr>
</thead>
</table>
| 1           | Cessna Course: Stage 1 - Phase 1  
Lesson 1: Getting to know your Airplane  
Lesson 2: How an Airplane Flies | Course Requirements Checklist  
Class Introductions  
Cessna Course Week 1 | 10  
0  
30 |
| 2           | Cessna Course: Stage 1 - Phase 1  
Lesson 3: More about your Airplane  
Lesson 4: Airplane Engines and Systems | DB Forum 1 and Replies  
Cessna Course Week 2 | 100  
30 |
| 3           | Cessna Course: Stage 1 - Phase 2  
Lesson 1: Single-Pilot Resource Management (SRM)  
Lesson 2: Using your Airport and Radio Communications | Essay Question 1  
Cessna Course Week 3 | 100  
30 |
| 4           | Cessna Course: Stage 1 - Phase 2  
Lesson 3: The Airport Environment and Correcting for Wind  
Lesson 4: Stalls, Takeoffs, and Landings Explained | Quiz 1  
Cessna Course Week 4 | 100  
30 |
| 5           | Cessna Course: Stage 1 - Phase 3  
Lesson 1: Weather and Weather Briefings  
Lesson 2: Airplane Performance and Limitations | Essay Question 2  
Cessna Course Week 5 | 100  
30 |
| 6           | Cessna Course: Stage 1 - Phase 3 | DB Forum 2 and Replies  
Cessna Course Week 6 | 100  
30 |
<table>
<thead>
<tr>
<th>Week</th>
<th>Cessna Course: Stage 1 - Phase 4</th>
<th>Cessna Course: Stage 1 - Phase 4</th>
<th>Quiz 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Lesson 1: Airspace</td>
<td>Lesson 3: Flight Instruments</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td>Lesson 2: Aviation Rules and</td>
<td>and Cockpit Displays</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Terminology</td>
<td>Lesson 4: GPS, Lost</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Procedures, and Emergency</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Instrument Skills</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stage 1 – Phase 5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lesson 1 – Solo Flight</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>30</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>1010</strong></td>
</tr>
</tbody>
</table>

**NOTE:** Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on **Friday**.