

COURSE # AVSC 1100

Ground Private Pilot

*2018-2019*

**Instructor**

**Instructor:**

**Phone:**

**Email:**

**Office Hours:**

**Course**

## Course Description

***This is a Concurrent Enrollment Course, offering both high school credit through \_\_\_\_\_\_\_\_\_\_\_\_\_\_ High School and college credit through Utah Valley University. Credit from this course is transferable to all colleges and universities. Contact the receiving institution for how the credits will be applied.***

Welcome to Private Pilot Ground Training…

The purpose and objective of Private Pilot Ground is to introduce aviation and the airplane to entry-level student pilots as they prepare for flight training covering various subject areas, such as airport systems, air traffic control procedures, aviation weather, air navigation, radio communication procedures, and Federal Aviation Regulations (FARs). This course is also intended to prepare students for the FAA Private Pilot Airplane Knowledge exam, more commonly known as the Private Pilot Written or “PAR” (Private Airplane Rating) exam. Students will find many subject areas interesting with perhaps other areas less engaging, but every topic covered is important to becoming an accomplished and safe pilot. Flying is fun and exciting but like anything else worth pursuing, a good deal of effort will be required by the student if success is to be achieved. This course will be challenging but enjoyable for those interested in the rewarding world of flight.

**Catalog Description**

Introduces the airplane to entry-level student pilots as they prepare for flight training. Stresses airport systems, air traffic control procedures, aviation weather, air navigation, radio communication procedures, and Federal Aviation Regulations. Prepares students for the required FAA Private Pilot Airplane Knowledge Test.

**Course Prerequisites**

This class is available to all high school students in good academic standing. High school prerequisites apply.

## Course Objectives or Learning Outcomes

**Upon successful completion of this course students should be able to do the following:**

1. Explain the different parts and systems of an airplane and how they work
2. Explain basic aerodynamics and the theory of flight
3. Know basic flight operations
4. Obtain and explain basic weather observations and forecasts
5. Explain and use different navigation systems
6. Predict aircraft performance
7. Prepare and use a VFR flight plan

**Course Topics of Review:**

Aviation opportunities

Human factors

Airplane structure

Aircraft systems

Flight instruments

Aerodynamic Principles

Four forces of flight

Stability

Aerodynamics of maneuvering flight

Flight operations

Safety of flight

Airports

Aeronautical charts

Airspace

Communication and flight information

Radar and ATC services

Radio procedures

Sources of flight information

Aviation weather

Basic weather theory

Weather patterns

Weather hazards

Interpreting weather data

The forecasting process

Printed reports and forecasts

Sources of weather information

Predicting performance

Weight and balance

Flight computers

Navigation

Pilotage

Dead reckoning

VOR navigation

ADF navigation

Aviation physiology

Aeronautical decision making

The flight planning process

**Required Text and Materials**

Jeppesen Private Pilot Manual (PPM, 2015 edition).

**Other Important Study References for AVSC 1100:**

* Federal Aviation Regulations/Aeronautical Information Manual (FAR/AIM), (2016 version available).
* Pilot's Handbook of Aeronautical Knowledge (PHAK), FAA-H-8083-25.
* Airplane Flying Handbook (AFH) FAA-H-8083-3.

**Department Policies**

**Attendance and Participation**

Attendance in this course is required and is one of the most important aspects of your training due to the strict FAA Part 141 training requirements. It will be the responsibility of each student to make every effort to attend each class period, or otherwise risk losing their Part 141 training status. Should any ground lesson be missed, the student must make up the material with their flight instructor. Once the lesson material has been covered, the student can confirm with a logbook entry or the flight instructor can send an email to the AVSC 1100 course instructor to have the absence removed. Again, it is recommended that every effort is made to attend class and avoid risking the loss of the 141 status and the benefits currently required by the airlines. If an absence is unavoidable, please inform the instructor as soon as possible.

**Assessment**

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| --- | --- |
| **Quizzes (5)** | **50** |
| **Stage Exam 1Stage Exam 2Stage Exam 3** | **505050** |
| **Assignments (TBD)** | **100** |
| **FAA Written Exam** | **200** |
| **Final Exam** | **100** |
| **Total** | **600 Points** |

* Quizzes will be based on class lectures, course reading assignments and FAA Knowledge Exam questions pertinent to the topics covered. The purpose of each quiz is to assess how well each student is keeping up with the reading assignments and or other course requirements and will help each student gauge their own progress.
* Stage Exams will be given throughout the semester with each exam testing your knowledge of material covered to that point and will help prepare you for the FAA Written Exam. Each Stage Exam will be given in class on or around the date shown on the course schedule with each being worth 50 points. Students should be regularly studying from an FAA Test Preparation book and or using the test preparation software.
* Assignments may be given throughout the semester to help prepare each student for subsequent quizzes, exams and eventually, actual flight training. These assignments will be in addition to the already required course reading assignments associated with each lecture. It is strongly recommended that each reading assignment be completed prior to the class date indicated so that each student is prepared to discuss the given topic
* FAA Written Exam (PAR) will require an instructor’s endorsement and completion of this important exam is one of the primary goals of this course. Each student is free to take this exam at any point during the semester once the endorsement has been earned; however, results for this exam will be due no later than\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. NOTE: Any student passing the FAA Knowledge Exam with 100% will automatically earn an “A” in this course.
* Final Exam will be given in class on\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The final exam will cover topics discussed throughout the semester (comprehensive) with questions derived from the FAA Private Pilot test bank, course reading assignments and lectures and will be worth 100 points.

**Grading Scale**

 A = 100-95 B - = 83-80 D+ = 69-67

 A - = 94-90 C+ = 79-77 D = 66-64

 B+ = 89-87 C = 76-74 D - = 63-60

 B = 86-84 C - = 73-70 F = 59-0

**Grades and Credit**

Your grade for this class will become part of your permanent college transcript and will affect your GPA. A low grade in this course can affect college acceptance and scholarship eligibility.

Grades are determined by instructors, based upon measures determined by the instructor and department and may include: evaluation of responses, written exercises and examinations, performance exercises and examinations, classroom/laboratory contributions, mastery of pertinent skills, etc. The letter grade “A” is an exceptional grade indicating superior achievement; “B” is a grade indicating commendable mastery; “C” indicates satisfactory mastery and is considered an average grade; “D” indicates substandard progress and insufficient evidence of ability to succeed in sequential courses; “E” (failing) indicates inadequate mastery of pertinent skills or repeated absences from class; “UW” indicates unofficial withdrawal from class.

**University Policies**

**Academic Integrity**

Utah Valley University expects all students to maintain integrity and high standards of individual honesty in academic work, to obey the law, and to show respect for others. Students of this class are expected to support an environment of academic integrity, have the right to such an environment, and should avoid all aspects of academic dishonesty. Examples of academic dishonesty include plagiarizing, faking of data, sharing information during an exam, discussing an exam with another student who has not taken the exam, consulting reference material during an exam, submitting a written assignment which was authored by someone other than you, and/or cheating in any form.

In keeping with UVU policy, evidence of academic dishonesty may result in a failing grade in the course and disciplinary review by the college.  Any student caught cheating will receive, at minimum, zero points on that particular assignment for the first offense.  A second offense can result in failing the course and will entail being reported to Student Advising.  Academic dishonesty includes, in part, using materials obtained from another student, published literature, and the Internet without proper acknowledgment of the source.   Additional information on this topic is published in the student handbook and is available on the UVU website.

### **Student Code of Conduct**

All UVU students are expected to conduct themselves in an appropriate manner acceptable at an institution of higher learning. All students are expected to **obey the law**, to **perform contracted obligations**, to **maintain absolute integrity and high standards** of individual honesty in academic work, and to observe a **high standard of conduct for the academic environment**.

The Student Rights and Responsibilities Code, or Code of Conduct, outlines for students what they can expect from the University and what the University expects of them.

Students should review their Rights and Responsibilities. The Code of Conduct also outlines the process for academic appeals, and appeals related to misconduct and sanctions. It can be found at <http://www.uvu.edu/studentconduct/students/>

**Student Responsibilities**

You are expected to take an active role in the learning process by meeting course requirements as specified in written syllabi. Faculty members have the right to establish classroom standards of behavior and attendance requirements. You are expected to meet these requirements and make contact with faculty members when unable to do so.

**Withdrawal Policy**

If you do not wish to take this course or find that you are unable to continue, you should officially withdraw by the deadline stated in the current semester UVU Student Timetable.

You can officially withdraw from a course by dropping it through the online registration system or the campus One Stop desk (BA 106) by the listed date. If you officially withdraw from a course by the "Last Day to Drop and Not Show on Transcript," the course will not appear on your academic transcripts. If you officially withdraw from a course by the "Last Day to Withdraw," a "W" will appear on your transcripts. Although your GPA will not be affected — a "W" will indicate that you chose to withdraw. If you fail to complete the course and do not drop it before the "Last Day to Withdraw," a "UW" or "E" (a failing grade) will appear on your transcripts.

Withdrawing from a course may impact your financial aid status. For more information, see: UVU Financial Aid.

**Cheating and Plagiarism Policy Procedures**

This document was taken from the Utah Valley University Policy 541, The Student Rights and Responsibilities Code

5.4.4 Each student is expected to maintain academic ethics and honesty in all its forms, including, but not limited to, cheating and plagiarism as defined hereafter:

1) Cheating is the act of using or attempting to use or providing others with unauthorized information, materials, or study aids in academic work. Cheating includes, but is not limited to, passing examination answers to or taking examinations for someone else, or preparing or copying another's academic work.

2) Plagiarism is the act of appropriating another person's or group's ideas or work (written, computerized, artistic, etc.) or portions thereof and passing them off as the product of one's own work in any academic exercise or activity.

3) Fabrication is the use of invented information or the falsification of research or other findings. Examples include but are not limited to:

a) Citation of information not taken from the source indicated. This may include the incorrect documentation of secondary source materials.

b) Listing sources in a bibliography not used in the academic exercise.

c) Submission in a paper, thesis, lab report, or other academic exercise of falsified, invented, or fictitious data or evidence, or deliberate and knowing concealment or distortion of the true nature, origin, or function of such data or evidence.

 d) Submitting as your own any academic exercise (written work, printing, sculpture, etc.) prepared totally or in part by another.

### **Students with Disabilities**

**Students who need accommodations because of a disability** may contact the UVU Office of Accessibility Services (OAS), located on the Orem Campus in LC 312. To schedule an appointment or to speak with a counselor, call the OAS office at 801-863-8747. Deaf/Hard of Hearing individuals, email [nicole.hemmingsen@uvu.edu](https://owa.uvu.edu/owa/redir.aspx?C=r3xUa4y2bkalWljgIj1VXM3KzYlusNIIESMqIpkF5USfG-H3cUMstYl8DNScKc_quB49PvOQ-l0.&URL=mailto%3anicole.hemmingsen%40uvu.edu) or text 385-208-2677.

**Religious Accommodations**

At the beginning of each semester, you shall promptly review the course syllabus and class schedule and notify faculty to request an accommodation for sincerely held religious beliefs and practices using the *Religious Accommodation Request Form*.

**Dangerous Behavior**

The faculty member has the right to demand and secure the immediate removal of any person from the classroom whenever the faculty member determines, to the best of his or her knowledge or belief, that the person's actions are threatening or dangerous to students or themselves. If the faculty member cannot resolve a disruptive situation, the faculty member may request that the disruptive person(s) leave the classroom. If the disruptive person(s) will not leave voluntarily, the faculty member may call University Police for assistance. The incident shall be reported to the Dean of Students and to the Director of Judicial Affairs in accordance with Policy 541 *Student Rights and Responsibilities Code*.

**Discriminatory, Exclusionary, or Disruptive Behavior**

Faculty members observing discriminatory, exclusionary, or disruptive behavior follow procedures described in UVU Policy 541 *Student Rights and Responsibilities Code.* 5.6

**Attendance**

Attendance in this class is not mandatory due to the different learning preferences with each student. However, class will be held according to the schedule on the top of this syllabus. Chapters will be covered in class as listed in the semester schedule below. Class will consist of chapter reviews, discussion and group activities.

**Policies/References**

1. Policy 541: Student Rights and Responsibilities Code <https://www.uvu.edu/catalog/current/policies-requirements/student-rights-and-responsibilities.html>
2. Policy 601: Classroom Instruction and Management. <https://policy.uvu.edu/getDisplayFile/5750ed2697e4c89872d95664>
3. Policy 635: Faculty Rights and Professional Responsibilities. <https://policy.uvu.edu/getDisplayFile/563a40bc65db23201153c27d>

**Definitions**

* 1. Syllabus: An agreement between faculty and students that communicates course structure, schedule, student expectations, expected course outcomes, and methods of assessment to students.

### **Dropping the Class**

### \_\_\_\_\_\_\_\_\_ is the last day to drop the course without it showing on your transcript.

\_\_\_\_\_\_\_\_\_ is the last day to withdraw from the class.
If you drop the high school class, you must also withdraw from the UVU class to avoid receiving a failing grade.

Due dates and this syllabus may change at the instructor’s discretion due to the needs of the class members.