AVSC-1100 *Ground 1 - Private*

👤 Instructor Contact Information

Instructor Information (https://uvu.instructure.com/courses/572856/pages/instructor-information)

Contact Instructor via **Canvas Inbox Messaging. Expect a response by the next business day.**

🗩 Course Description

Introduces the entry-level student to the aircraft 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 or Helicopter Knowledge Tests.

This course must be successfully completed to fulfill graduation requirements for the Aviation Science degree.

This course is part of the Aviation Management, B.S., Professional Pilot, B.S., Aviation Science, A.S., and Aviation Science, A.A.S. discipline core requirements.

◎ Course Outcomes

Upon successful completion of this course, students will be able to:

1. Explain the aerodynamic principles of flight that affect aircraft operation.
2. Apply knowledge of airports, airspace, radio communication, air traffic control and radar services to private pilot level aircraft operations.
3. Analyze aircraft components and systems, performance and weight and balance.
4. Apply knowledge of meteorology, weather reports, forecasts, and charts to the planning and conduct of flight operations.
5. Explain Federal Aviation Regulations as they apply to private pilot operations.
6. Apply knowledge of pilotage, dead reckoning, and radio navigation in conjunction with the aeronautical charts, plotters, flight computers, and flight publications necessary for cross-co flight.

7. Describe the physiological factors which can affect both pilots and passengers during flight.
8. Evaluate all flight data during the pre-flight and in-flight decision-making process.

✔ Prerequisites and Needed Skills

Course Prerequisites

- None

Technology Expectations

- Some course elements may be viewed on mobile devices; however, UVU aviation online courses include elements of instruction that may require the use of a computer.
- Assignments may require the use of a camera and microphone.

📄 Materials, Fees and Technology Tools

Textbook

- Jeppesen Guided Flight Discovery Private Pilot textbook (May 2018) ISBN: 978-0-88487-660-1
- Current edition of FAR/AIM publication
  - Digital versions aviaibile via **FAA.gov** ⤷ **(https://www.faa.gov/regulations_policies/faa_regulations)** :
    - **FAR** ⤷ **(https://www.ecfr.gov/current/title-14)**
    - **AIM** ⤷ **(https://www.faa.gov/air_traffic/publications/atpubs/aim_html)**
- The textbook and FARM/AIM can be found and purchased at the **UVU Bookstore.** ⤷ **(https://store.uvu.edu/)**

Materials

If you are a professional pilot student, it is recommended you also purchase a navigation plotter, E6B, FAR/AIM (copy of federal aviation regulations and aeronautical information manual). You may also wish to purchase commercially available knowledge test preparation guide. If you are an aviation administration student, you do not need to purchase any additional materials, however, some students have found having their own E6B to be useful. There is a digital one available, but it can be difficult to use.

Technology Tools

- Internet browsers such as Google Chrome or Firefox are preferred. Web browser compatibility can be found at **Canvas Questions and Answers** ⤷ **(https://community.canvaslms.com/docs/DOC-10720-67952720329)** .

- Microsoft Office (Word, PowerPoint, and Excel) is required. UVU students have free access to Microsoft 365. See **UVU Microsoft Office 365.** ⊟ **(https://www.uvu.edu/software/microsoft-office-365.html)**
- A laptop or desktop computer with a camera and microphone may be required for Kaltura video submission assignments. Instructions for downloading and using Kaltura can be found in the modules where a camera and microphone are necessary. **Computer requirements for Kaltura Capture** ⊟ **(https://knowledge.kaltura.com/help/kaltura-capture---prerequisites-and-system-requirements)** .

❓ How This Course Works

Course Mode: Online

Description of how course works:

Canvas is where course content, grades, and communications will reside for this course.

For this **three (3) credit-hour** course students should expect to spend up to **9+ hours a week** completing course activities.

Student Responsibilities:

- *Start class the first week of the term.*
- ***Be accountable by setting aside regular time each week to complete course activities and assignments on time as noted per the due dates***.
- *Learn how to use Canvas including communication tools (e.g. discussion, Canvas inbox, etc.). If you have technology-related problems contact the **Service Desk** ⊟ **(https://www.uvu.edu/servicedesk)** .*
- *Abide by ethical standards. Your work must be your own.*
- *Contact your instructor as early as possible if an emergency arises. Do NOT wait until the last minute to ask for an extension.*

Instructor Responsibilities:

- *Respond to emails within ONE business day. If multiple emails are received regarding the same question or concern, they may be responded to with an announcement to the entire class.*
- *Provide timely, meaningful and constructive feedback on assignments.*
- *Facilitate an effective learning experience.*
- *Refer students to appropriate services for issues that are non-course content specific. For instance, technical issue, writing labs, accessibility services, etc.*
- *Mentor students through the course.*

Artificial Intelligence (AI) Expectations and Requirements

You may use AI programs e.g. ChatGPT to help generate ideas and brainstorm. However, you should note that the material generated by these programs may be inaccurate, incomplete, or otherwise problematic. For example, AI-generated language programs are known to "hallucinate", i.e. create references to non-existent resources. Beware that use of AI may also stifle your own independent thinking and creativity.

You may not submit any work generated by an AI program as your own. If you include material generated by an AI program, it should be cited like any other reference material (with due consideration for the quality of the reference, which may be poor).

Any plagiarism or other form of cheating will be dealt with severely under relevant UVU Plagiarism policies as described in the **UVU Student Code of Conduct** ⇨ **(https://www.uvu.edu/catalog/current/policies-requirements/student-code-of-conduct.html)** , UVU Policy **541** ⇨ **(https://policy.uvu.edu/getDisplayFile/5bedd0ef7b23736d542192e3)** .

📈 Grading and Late Work Statement

Grading Scale:

The following grading standards will be used in this class:

Grade	Percent
A	94-100
A-	90-93
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72

Grade	Percent
D+	67-69
D	63-66
D-	60-62
E	0-59

Assignment Categories

Activity	Points
Assignments	10
Quizzes	330
Section Exams	400
Discussions	250
Final	300
Canvas Tour	20

Late Work Statement:

- PLEASE NOTE: All assignments/quizzes must be completed by 11:59 PM MST/MDT on the date listed with the assignment/quiz.

📝 Assignment and Assessment Descriptions

Assignments:

See the assignments listed in Canvas for specific descriptions. Assignments are due on the date indicated. No late assignments will be accepted.

*Final Exam note: Students may elect to take the FAA written exam in place of the final exam included in this course. If you choose to take the FAA written exam it will be due on the same date as the final exam in this course. Once the written is completed, you will submit the written exam via email to the instructor by the published due date.

Discussions:

Discussions will be opportunities to explore topics together. Posts to the discussion should add significantly to the conversation and support your point of view. *Comments that do not add significantly to a discussion will receive* **no credit**. It is okay to disagree in a discussion. In fact much learning happens when we disagree. However we need to be respectful and keep our online classroom a safe place to learn.

Due dates for discussions correspond with the initial post date which is usually a **Wednesday**. Follow up comments are due by Sunday. Follow up posts are expected to be after the due date and are not marked late. Discussions conclude by the **Sunday** following the due date. After this, posts will be marked late.

Assessments:

Quizzes are administered online through Canvas. Their purpose is to assess your understanding of the module material.

Exams will be administered online through Canvas. They are due on the date indicated and no later than 11:59 MST/MDT.

📅 Course Schedule

Refer to the **Course Schedule Canvas page (https://uvu.instructure.com/courses/572856/pages/course-schedule)** .

⚖️ UVU Policies and Resources

Americans with Disabilities Act and Section 504 of the Rehabilitation Act

The Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, as amended, prohibit Utah Valley University from engaging in discrimination on the basis of disability in any program or activity. Discrimination is also prohibited in all aspects of employment against persons with disabilities who, with reasonable accommodation, can perform the essential funct[...] a job.

Students who believe s/he has been denied program access or otherwise discriminated against because of a disability is encouraged to initiate a grievance by contacting the Accessibility Services Director, Sherry Page at 801-863-8747. Employees can contact the ADA Coordinator, Irene Whittier at 801-863-8389.

Upon request, this information is available in alternative formats, such as mp3, Braille, or large print. To request this format, email **asd@uvu.edu (mailto:asd@uvu.edu)** .

The quiz/test banks may contain graphics without alt text (character limit restrictions) that are not fully accessible to students using screen readers or other assistive devices. If you need accommodations for these images, please contact your instructor. If you need additional accommodations, please contact the **Office of Accessibility Services** ⤷ **(https://www.uvu.edu/accessibility-services/)**)

Religious Accommodations Syllabus Statement

UVU values and acknowledges a wide range of faiths and religions as part of our student body, and as such provides accommodations for students. Religious belief includes the student's faith or conscience as well as the student's participation in an organized activity conducted under the auspices of the student's religious tradition or religious organization. The accommodations include reasonable student absences from scheduled examinations or academic requirements if they create an undue hardship for sincerely held religious beliefs. For this to occur, the student must provide a written notice to the instructor of the course for which the student seeks said accommodation prior to the event.

The UVU campus has **a place for meditation, prayer, reflection, or other forms of individual religious expression** ⤷ **(https://www.uvu.edu/interfaith/reflectioncenter/index.html)** as is described on their website.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their **rights and responsibilities** ⤷ **(https://policy.uvu.edu/getDisplayFile/5bedd0ef7b23736d542192e3)** . In each course, they are responsible for knowing the requirements and restrictions regarding research and

writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in**UVU Policy 541: _Student Code of Conduct_** ⤷ **(https://policy.uvu.edu/getDisplayFile/5bedd0ef7b23736d542192e3)** .

Definitions and Examples:

Academic Integrity
Cheating
Plagiarism
Fabrication

We would like to acknowledge the following institutions: Northeastern University, University of Jamestown, Washington University in St. Louis, and UVU's Woodbury School of Business. This statement uses or adapts parts of their academic integrity statements or used them for inspiration.

Title IX Syllabus Statement:

Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran's status or genetic information. If you or someone you know has experienced or experiences harassment or sexual assault including, dating and domestic violence, stalking or sexual exploitation, you are encouraged to report it to the Title IX Coordinator in the Office for Equal Opportunity and Affirmative Action, BA-203, (801) 863-7999. Please be aware that all faculty members and university employees are considered "Responsible Employees" and are required to report incidents of sexual misconduct and relationship violence and thus cannot guarantee confidentiality. Please know that you can seek confidential resources at UVU Student Health Services, SC-221, (801) 863-8876.

Please visit **https://www.uvu.edu/equityandtitleix** ⤷ **(https://www.uvu.edu/equityandtitleix)** for more information.

Policies and Success Strategies ⤷ **(https://www.uvu.edu/otl/students/policiesandprocedures.html)**

Campus Resources ⤷ **(https://www.uvu.edu/otl/students/campus_resources.html)**

UVU Academic Tutoring ↪ (https://www.uvu.edu/academictutoring)

UVU Aviation Sciences Writing Standards ↪ (https://www.uvu.edu/aviation/student-resources/writing-standards.php)

⚙ Technology Support Services

➕ For 24/7 technical support contact **Instructure's Canvas Support Live Chat** ↪ (https://cases.canvaslms.com/liveagentchat?chattype=student&sfid=001A00000085cNxIAI)

📞(385) 204-4930 (Available 24/7)

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