



DISTANCE EDUCATION ADDENDUM

COURSE ID:	Aero 040
DEPARTMENT:	Aeronautics
SUBMITTED BY:	Larry Rice
	6/11/2020

For additional resources on completing this form, please visit the DE Website:

www.valleycollege.edu/onlinefacultyresources

1. Please select the distance education method that describe how the course content will be delivered.

Check ALL methods that will be used for offering this course, even if previously approved.

- FO – Fully Online
- PO – Partially Online
- OPA – Online with In-Person Proctored Assessments
- FOMA – Fully Online with Mutual Agreement

2. In what way will this course, being offered in distance education format, meet the needs of the campus?

(Ex: Student Access, Campus Strategic Plan, Campus Mission Statement, Online Education Initiative (OEI), Student Equity, Student Needs). Please be specific.

The Aero 040 Instrument Ground School course will be offered online only. A well-supported distance education program will support the college’s mission statement and prepare students from diverse background to succeed academically in aviation and prepare the student for the FAA Instrument rating Knowledge Airplane test. In addition to the services that distance education provides to our students, DE offers the college an eco-friendly means of maintaining, supporting, and expanding programs through a wide spectrum of educational experiences flexible methodologies, and support services.

Tutorials and interactive web-based computer simulations can be used to facilitate content related to key learning objectives. Publisher and/or instructor prepared simulations and animations may also be provided to reinforce key content areas. A videoconferencing tool such as Zoom, or Google Hangouts can be used to record individual video presentations, interactions, and other role play scenarios which students can submit to an assignment or share in a discussion.

3. Will this course require proctored exams?

- No
- Yes - If yes, how?

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4. How will the design of this course address student accessibility? Are you including any of the following?

- Captioned Videos



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- Transcripts for Audio Files
- Alternative Text for Graphics
- Formatted Headings
- Other – If other, please explain.

5. Provide a specific example of how the instructor will provide synchronous office hours for distance education students? (Ex: Online Conference Tool, Cranium Classroom, Zoom, Pisces, Skype, etc.)

Regular effective contact will be provided by using email, phone, voicemail, online discussion, video conferencing, and the use of ConferZoom. Furthermore, designated online office hours will be held regularly and immediate response to students' queries and/or feedback on work products will be provided by the instructor.

Scheduled face-to-face meetings will be determined by the instructor based on the offering of the course as a hybrid and should the need arise. The instructor will also be available to students during the scheduled laboratory period. The instructor will meet students face-to-face during scheduled laboratory periods to conduct experiments as well as to discuss difficult concepts.

Email Communication - Students will be contacted via the announcement feature, email, voice mail, telephone contact or face to face meetings (if needed), virtual office hours, and/or Confer Zoom. Immediate response to students' queries will be provided within 48 hours excluding weekends and holidays.

Voice mail - Voice mail will be utilized to respond to students during non-office hours. Students will be allowed to leave a voice mail. Either a phone call or email response will be provided to deliver the requested information and/or address students' concerns or issues.

6. Provide a specific example of how this course's design ensures regular and effective instructor-student contact? (Ex: Threaded discussion forums, weekly announcements, instructor prepared materials, posting video and audio files, timely feedback on exams and projects, synchronous online office hours, synchronous online meetings, synchronous online lectures, etc.)

Orientation at start of course - A "Welcome Letter" introducing the course, its structure, required texts, along with academic support resources such as navigation of the Course Management System (CMS) will be made available to students via email and prior to the start date of the course. The instructor will also provide an overview of online instruction, grading criteria, and the importance of communication between student and instructor.

Zoom and chat opportunities will be provided with instructor participation. The instructor will post weekly announcements (or more frequent if necessary) in the CMS regarding course assignments, schedule of activities, and any other important information to keep students informed. Immediate response to students' Queries will be provided within 48 hours excluding weekends and holidays. Furthermore, designated online office hours will be held using video conferencing. Interaction with other students and the instructor will also be accomplished using online discussions, chat rooms, and the use of Confer Zoom. Feedback and comments on all grading products will be through the CMS assignment feature



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7. **Provide a specific example of how this course will ensure regular and effective student-student contact?**
(Ex: Threaded discussion forums, assigned group projects, threaded discussions, Notebowl, peer-to-peer feedback, synchronous online meetings, etc.)

Chat Rooms – A chat room type of discussion board will be posted to the CMS to encourage students to interact and work together on class assignments. The open discussion forum will be used for students to post questions and answers to one another. Students asking questions general in nature will be directed by the instructor to an interactive threaded discussion forum; dedicated to administrative questions about the course (i. e., Question and Answer Forum). The instructor will moderate the chat room and provide feedback as needed through the CMS within 48 hours excluding weekends and holidays.

Group discussions of critical thinking activities outlining lab procedure will be facilitated in online discussion forums. Instructor-led deliberations will emphasize the models, theories, and principles addressed in lab procedure--giving students a conceptual framework of how the lab fits into the course content. Students will be required to respond to questions posed by the instructor and post responses to peer students' reflections within a specified time frame. The written responses will assist in evaluating the student's ability to explain course concepts quantitatively, qualitatively, and through mixed methods such as observations and paperwork. Evaluation and grading will be based upon student's participation, demonstrated comprehension of educational content areas including safety procedures and the use of relevant equipment in a regulatory context.

8. **Describe what students in this online version of the course will do in a typical week on this class. Include the process starting after initial log in.**

The student will register to the web site of instructor choice, to get access the assigned training module, take the online test then comment on the discussion board in CANVAS, comment on what you have learned within the chapter, review 3 classmates discussions and reply to each of them with your thoughts and concerns and finally test at the end of each week. There will also be work sheets that will pertain to a lab function to complete by doing research on specific procedures and comment in the discussion board about the procedure you have researched There will be a weekly assignment with a rubric that explain the points to be earned with each project within the weekly assignment.

The student will review the announcement which will have instructions of what is to be covered/ reviewed and/or completed this day or week

The list of assignment for the week include

- 1: End of Chapter questions
- 2: FAA style multiple choice questions
- 3: Matching
- 4: Discussion board
- 5: Weekly Test

9. **Provide a sample statement that could be included in the syllabus for this course that communicates to students the frequency and timeliness of instructor-initiated contact and student feedback.**



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Weekly performance monitoring during assigned class hours and days. Use of emails, text messages and telephone calls: Your success in the course is important to me. Please do not hesitate to contact me if you are having difficulty with the course material(s). General questions about the course should be posted on the QUESTION FORUM. During the week, Monday thru Friday (M-F), I will monitor the QUESTION FORUM several times a day. If you have a concern that requires a response; please send me a direct message. The expected response time is usually within two days.

If you have questions that are more personal in nature; either utilize the "INBOX" feature of Canvas or my Microsoft Outlook email address: lrice@sbccd.cc.ca.us. My goal is to respond to your messages within 24 hours via telephone or email. You will also be able to communicate in real time using the Zoom web conferencing tool during the specific times designated in the course syllabus as virtual office hours. I look forward to working with you!

10. Provide a specific example of how regular and effective student-student interaction may occur in this online course.

Collaborative learning groups involving synchronous and/or asynchronous communication will allow students to discuss sample FAA test questions and gain subject matter understanding. Student discussion of assigned reading materials (textbooks, instructor-generated hand-outs, and supplementary reading materials) may be achieved either via chat with other students or the instructor, threaded e-mail discussions with other students and the instructor, discussion board postings with other students and the instructor. Evaluation and grading will be based upon student's participation and demonstrated comprehension of educational content areas.

11. Provide a specific example of how regular and effective instructor-student interaction may occur in this online course.

Weekly class attendance via Zoom meetings and discussions. Text messages, emails and telephone

The instructor will create threaded discussion forums or Course Content Boards with dialogue-based questions and investigative prompts. Students will be required to respond weekly to discussion questions posted to CMS by the instructor and respond or comment to at least one student post on the discussion board per week. The instructor will moderate and actively participate in facilitating, responding to, and evaluating the discussions electronically. Grading of the work product will be within 48 hours of the assigned due date. Feedback will be provided through text, an attached file, video, or audio.

Accessible multimedia presentations authored by industry professionals will be utilized to enhance student comprehension and expose students to aviation situations commonly encountered in today's highly competitive Aeronautics environment. Using the Rich Content Editor, all audio-visual content will be linked or embedded within the Announcements, Assignments, Discussions. Films will be closed captioned and all audio will offer a transcript. Instructor and student to peer interaction will follow after viewing.

12. Does this course include lab hours? No Yes – If yes, how are you going to accommodate the typical face to face activities in an online environment?

Lab hours will be facilitated using STEAM Microsoft Flight Simulator multi player version. All lab hours will be assessed using the tutorials from the software program and student's performance will be evaluated by an FAA Certificated Flight Instructor with Instrument rating Airplane ratings. Student will be required to obtain at least five hours of flight simulator experience



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13. How will you accommodate the SLO and Course Objectives in an online environment?

<p>All SLO's will be assessed using actual Federal Aviation Administration type test questions. Subject matters questions will be specific to advisory circulars, regulations, Aeronautical Information Manual. Work job sheets product will be submitted as a file upload to YouTube, Canvas Studio, or Flip Grid to view the actual skill</p>

14. Are modifications needed to SLOs or Course Objectives in order to teach this course in the online modality?

No Yes – If yes, please explain the changes needed.

(It is advised that if you are changing course content or objectives that you speak with the Curriculum Co-Chair or Articulation Officer for guidance moving forward.)

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To be completed by a member of the Curriculum Committee Review Team:

CURRICULUM CHAIR REVIEWED:		<input type="checkbox"/> YES <input type="checkbox"/> NO
DE REVIEW:		<input type="checkbox"/> YES <input type="checkbox"/> NO
CURRICULUM COMMITTEE DIVISION REPRESENTATIVE REVIEWED:		<input type="checkbox"/> YES <input type="checkbox"/> NO