AIRCRAFT DESIGN
ASEN 4138
Fall Semester 2021

Class Times

• **Lecture Sections:**  M & W  8:30am – 9:20am  All lectures in room AERO 114.
  Section Number  (010)

• **Laboratory Sections:**  T  8:30am – 10:20am  AERO N100  (011)
  Th  8:30am – 10:20am  AERO N100  (012)
  Th  10:40am – 12:30pm  AERO N100  (013)

Prerequisites

• ASEN 3128, Aircraft Dynamics

Textbook


References

• See Canvas document - these books are available in the Engineering Library.

Instructor

• Dr. Donna Gerren (Dr. G)
• E-mail address:  donna.gerren@colorado.edu
• Office:  N 203
• Office phone:  (303)735-4870
• Office hours:  M & W  2:00pm – 3:30pm  
  Tu  11:00am – noon
  Also available during lab sessions or by appointment.
Grading

• Class is worth 1,000 points total.
• Homework - none
• Exams – none
• Four written design reports - each report worth 225 points (90% of class grade) – peer evaluations by myself and your design partner (combined) can affect up to +/- 5% of each of your report grades.
• Oral presentation at the end of the semester - 100 points (10% of class grade). Again, peer evaluations by myself and your design partner (combined) can affect up to +/- 5% of your presentation grade.
• Attendance for final class presentations is required: 5 points will be docked from your presentation grade for each day of presentation nonattendance unless excused. This has resulted in a reduced semester grade.
• NOTE: Some presentations will take place during this course’s final exam time, Thursday, December 13th, 7:30 – 10:00pm.

General Comments

• Keep cell phones silent during class.

• The following are tentative due dates for each report:

  Design Report 1   Monday, September 27 due by 5pm
  Design Report 2:  Monday, October 25 due by 5pm
  Design Report 3:  Friday, November 19 due by 5pm
  Design Report 4:  Tuesday, December 14 due by 5pm

• Unexcused late reports WILL BE penalized 5 points for each late day.

• All reports must be prepared with a word processor and adhere to the design report requirements e-mail handout. All drawings must be done using a software program – no hand sketches. Points will be taken off unprofessional reports, even if the technical content is correct.

• ADVICE: Get started on your first report right away - September 27th will be here before you know it. Get started on the next report as soon as you’ve handed in the previous report. Keep a rough draft of the report just handed in as it takes a while to grade and return them to you – you may need some calculations or values from that report to continue work on your design. Back up your files regularly and have several backup or paper copies of your Advanced Aircraft Analysis (AAA) data.