AIRCRAFT DESIGN
ASEN 4138
Fall Semester 2022

Class Times

- **Lecture Sections:**  M & W  9:35am – 10:25am
  All lectures in room AERO 114.
  (010)

- **Laboratory Sections:**  F  10:30am – 12:20am  AERO N100  (011)
  F  12:40am –  2:30am  AERO N100  (012)

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  3:00pm – 5:00pm
  W  3:00pm – 4:00pm
  Th  8:00am – 9:00am
  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.

**NOTE:** Some presentations will take place during this course’s final exam time, Wednesday, December 14th, from 7:30pm – 10 pm.

General Comments

- Keep cell phones silent during class.

The following are tentative due dates for each report:

- Design Report 1: Monday, September 26th due by 5pm
- Design Report 2: Monday, October 24th due by 5pm
- Design Report 3: Sunday, November 20th due by 11:59pm
- Design Report 4: Tuesday, December 13th 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 26th 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.**