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Section 001: 8:50-10:30, Aero 120

Section 002: 10:40-12:20, Aero 120

Dr. Allison Anderson
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Office Hours: M 3-4pm, W 4-5pm

Riley Reid
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Office Hours: T 5-6pm

Connie Childs

2. Uncertainty and Error Analysis.
3. Technical Writing and Data Presentation
4. Advanced Computational Methods
5. Ethics in Engineering

Projects (2 projects)	40%
Participation (Attendance and active participation)	30%
Quizzes (3 quizzes)	30%

Your letter grades will be assigned based on expectations of performance. A letter grade of A represents superior/excellent performance, a grade of B represents good/better than average performance, while a grade of C represents competent/average performance (which is in accordance with CU grading policy). Typically, a performance of 70% would earn you a grade of C, however, we reserve the right to normalize the class grades based on the expected minimum level of competency.

1. We reserve the right to make changes to the weekly course schedule based on occurring events that require different dispositions. We will give sufficient advance notice through announcements in class and posting on the website. Changes to this syllabus and schedule may be announced at any time during class periods. We will post the current syllabus and schedule on the course website.
2. Reading assignments and viewing the posted lectures are to be completed *before* the course period. Many of our lectures are flipped, so coming prepared to work on problems and to ask questions is critical. Your active participation is key to the success of the class, and thus will factor heavily into your overall course grade.
3. Emails will be responded to during business hours, i.e. Monday through Friday, 8:00 am – 5:00 pm. Emails regarding quizzes or projects which are received 24 hours or less before the deadlines will not be responded to. Students are encouraged to attend office hours in lieu of emails as it enables clarity and learning.
4. In this class, we will not have a comprehensive exam during finals week. We will also not have traditional exams. Rather, this class will rely on short in-class quizzes to perform intermittent assessment of your performance throughout the semester. No internet enabled calculators are allowed during quizzes (i.e. no cell phones). You are not allowed to leave the classroom after the quizzes have been completed.
5. There will be no uncused quiz makeups provided. If you miss a quiz, course instructors will evaluate each case on an individual basis based on the context and information available to make a determination if a makeup exam will be provided. Students are encouraged to provide as much documentation as possible to enable an informed decision.
6. Attendance to all non-quiz classes is also required. Students will be given one grace class here missed attendance will be automatically excused. This should be reserved for medical or family emergencies, since you will not be allowed to make up other missed classes beyond this single event during the semester, regardless of the reason. Make-up work will not be required, but you are STRONGLY encouraged to perform the in-class activities on your own time to ensure you have prepared the material for other graded components of the class.
7. An medical or studies-related needs of absence related to your course instructors will be given one grace class here missed attendance will be automatically excused. This should be reserved for medical or family emergencies, since you will not be allowed to make up other missed classes beyond this single event during the semester, regardless of the reason. Make-up work will not be required, but you are STRONGLY encouraged to perform the in-class activities on your own time to ensure you have prepared the material for other graded components of the class.

8. We will use Canvas and ASEN 2012 mailing list to send out announcements, to provide comments to you on class activities, and to provide general information about course assignments.
9. In this class, we will *exclusively* use the programming language MATLAB because it is the programming language of the aerospace industry. Students who do not have a background in MATLAB are strongly encouraged to use the supplemental textbook and attend the TA's programming help sessions and office hours. MATLAB is available for a free download to your computer from the University. You also have access to the PILOT computer lab during periods for which no other class is using them.

This is one of the first courses in the ASEN curriculum where you will begin to acquire the following skills and abilities, which are the expected outcomes from our program at graduation:

- O1 Professional context and expectations (ethics, economics, etc.)

