Recitations & Labs:	Section 012 Zoom Link: Meeting ID:	W: 3:00 – 4:50 pm, AERO 141 (PILOT)
	Section 013 Zoom Link:	W: 8:30 – 10:20 am, AERO 141 (PILOT)
	Section 014 Zoom Link: Meeting ID:	W: 3:00 – 4:50 pm, AERO 120 (Aero Auditorium)
Class Web Sites:	Canvas, https://canvas.colorado.edu ASEN3112 Gradescope, http://gradescope.com	
Class email list:	Through Canvas only	
Texts:	Lecture notes are posted on Canvas	
Prerequisites:	ASEN 2001, 2003-2004 and APPM 2360, with grade of C or better in each.	
Course Objectives:	The main objective of the course is to introduce modern structural analysis techniques based on understanding of the development of internal forces, stresses and deformations. These are essential to the design and verification of advanced aerospace structures and systems. The course offers an introduction to matrix and finite-element methods for skeletal (truss and frame) structures, as well as to fundamental concepts in mechanical vibrations, structural dynamics, and structural stability.	

Grading Guidelines:

- Graded homework, lab reports, midterm exams, and the final exam are returned via Gradescope; see information below. Students should check the assignment for grading correctness and request a change of score via Gradescope if incorrect grading is found. If indeed the grading was incorrect, the score on CANVAS will then be updated by the instructors and TA/TFs. No further request and email is needed.
- The instruction team can make minor changes to the above distribution of weight for each assignment based on variations in assignments.
- About Gradescope: Students will receive an email to sign up. Students will need to upload their assignment. In case of hand-written assignments, students can use a smartphone or use scanners at the CU library. Should a student not have access to either, please, contact the instructors within the first two weeks of the semester. Instructions on how to upload assignments can be found at help.gradescope.com.

  Instructions on uploading assignments can be found at:

  https://www.youtube.com/watch?v=KMPoby5g_nE

Course Delivery Modes (revised 1/15/2021):

Definitions (in accordance with H S D U W P H Q W D Q G U H J L V W U D U ¶ V R I I L F H G H I

- In-Person (Synchronous): activity in person on campus on scheduled days and times.
- Remote (Synchronous): activity via Zoom or other real-time platform on scheduled days and times; students will need to participate in activity or complete assignment at a specified time.
- Online (Asynchronous): activity via lecture capture or Canvas or similar; students can participate when it is convenient for them within a specified time window.

Lectures: Students chose to follow the lectures in a remote or online mode. If the online mode is chosen, Monday lectures should be watched before following Wednesday lectures and Wednesday lectures should be watched before following Monday. Exams will take place during scheduled lectures; the exams are administered in a remote mode only.

Labs: The lab assignments will be introduced remotely during scheduled lab sessions (to be announced). Students can follow the introduction in a remote mode or watch a recording of the introduction in an online mode. After an assignment has been introduced, students should watch an online video of the experimental setup and the data taking process. Students will work in groups on lab assignments in a remote style only. Students can ask questions about lab assignments in person (during following recitation sessions), remotely via Zoom during recitations, or remotely via Zoom during office hours.

Recitations: Students can choose to work on practice problems either in person, in a remote mode, or an online mode. Students choosing the in-person mode will have to attend the recitation/lab session for which they are registered; all health guidelines and rules need to be strictly followed (see also item 7 under Course Policies and Procedures). The recitations will be recorded and posted on Canvas. During recitations, students using an in-

4. All written assignments (homework, midterm exams, lab reports and the final exam) need to be uploaded to Gradescope (https://www.gradescope.com/). Students should create an account on Gradescope using the CU Buffalo email address. Lecture and lab quizzes are administered directly via Canvas.
5. No makeup homework and makeup exams will be offered. A zero score is recorded for each missed homework and exam. Note that the two homework assignments with the lowest scores are dropped. If the score of a midterm is lower than the one of the final, the midterm is automatically dropped and the weighting on the final is increased by 10%.
6. Both students and faculty are responsible for maintaining an appropriate learning environment in all instructional settings, whether in person, remote or online. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with for maintaining an appropriate lea6.

academic environment. Information on requesting accommodations is located on the