ASEN 5212 - Composite Structures and Materials Spring 2023

The goal of the class is to introduce students to the concepts and tools necessary to analyze and design composite structures, with an emphasis on fiber reinforced composites. At the end of the class, the students will be able to

Describedifferent types of composite achitectures and constituents Select the connect combination of matrix and fibers for a given application Perform basic homogenization are o o " < rQ - " a" Such is will also be able to use enail to communicate with the instructor. Please, start the subject of each enail with "ASEN 5212". This will make such a tenails can be identified at the end of the couse

No textbook is required Material for the class will be posted in Canzas Suggested reading includes

, Ever J Babero CRC Press , Isaac M Dariel and Ori Ishai, Oxford

University Press

, Rebert M Jones, Taylor & Francis , Richard M Christensen, Dover

The final gade will be evaluated based on homework assignments (30%), two michermesans (20% each) and a final project (30%). All must be written in Word/Latex, or by hand and then scarred, and thensubnitted to Gradescope

Plagiaismorary of terform of drating in any of the assignments, exans, or the final project will result in failing the course Asaren in the: using some one clock is course, and the final project visual of items (in ages, formulas, etc.) used in home work or project up onts, are also forms of plagiaism

Requests to regade any item med to be submitted within . Regade requests will be submitted though Gradescope Note this procedure can only be used in the case of mistakes during gading not to agreabout the ubric

Honework assignments must be turned in before the due time, which will be specified in each honework set. No late assignments will be accepted for credit. Six or seven honework assignments accepted through the semister, with due dates approximately every other week.

The assignent with lowest gade will be dopped when evaluating the final gade In addition, the assignment with the second lowest gade will be substituted by the average of the tassignment, 95, 65, 85, then the scale of 60 will be deped and the scale of 65 will instead be substituted by (65+(80+90+95+85)/4) /2.

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in the academic environment. Information on requesting accommodations is located on the <u>DisabilityServices vebsite</u> Contact DisabilityServices at 308 492 8671 or <u>dirfo@ colorabedu</u> for further assistance. If you have a temporary medical condition, see <u>Temporary Medical</u> <u>Conditions</u> on the DisabilityServices vebsite

CU Boulder recognizes that students' legal information doesn't always align with how they identify. Students may update their preferred names and pronours via the student portal; those preferred names and pronours are listed on instructors' class rosters. In the absence of such updates, the name that appears on the class roster is the student's legal name

All sturents endledina University of Coloado Boulder course are responsible for knowing and advant to the Honr Code Notation of the Honr Code may include, but are not limited to plagarism, cheating fabrication, lying bibery, theat, unauforized access to academic materials, clicker fiaud, submitting the same or similar work in none than one course without permission from all course instructors involved, and aiding academic distoresty. All incidents of academic miscorduct will be reported to Sturkert Conduct & Conflict Resolution (hom@coloarbed); 3084925550. Sturkerts fourd response held in v he v he v he v

resolution options To learn none about reporting and support options for a variety of concerns, visit Dorit Ignoelit.