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 classic promposite structures, with an emphasis an fiber reinforced composites. At the end of the class, the students will be able to

Describe different types of composite architectures and constituents

Select the connect combination of matrix and fibers for a given application

Perform basic honogenization and o o " < nQ -" a"

Sturkris will also be able to use entit to communicate with the instructor. Please, start the subject of each entit with "ASEN 5212". This will make sue that entities can be identified at the order the cruse.

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

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

The first grade will be evaluated based on honework assignments (30%), two midlem exans (20% each) and a first project (30%). All must be written in Word Latex, or by hard and then scanned, and then submitted to Gradescope

Plagiaismoranyotherformof cheating in any of the assignments, exans, or the final project will result in failing the course As areminder: using some or edse's code, or not referencing the source of items (images, formulas, etc.) used in homework or project reports, are also forms of plagiaism.

Requests to regarde any item med to be submitted within

. Regade requests will be submitted through Gradescope Note this procedure cancely be used in the case of mistakes during grading not to agree about the rubric.

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 are expected through the senester, with due dates approximately every otherwork.

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 depend and the scale of 65 will instead be substituted by (65+(80+90+95+85)/4)/2.

The will lexify our ingles that the continuous indicates the continuous of the conti

in the academic environment. Information on requesting accommodations is located on the <u>Disability Services website</u>. Contact Disability Services at 308 422 8671 or <u>chinfo@colorabedu</u> for further assistance. If you have a temporary medical condition, see <u>Temporary Medical</u> <u>Conditions</u> on the Disability Services website

OU Boulder recognizes that students' legal information doesn't always align with how they identify. Students may update their preferred manes and promouns wise the student portal; those preferred manes and promouns are listed on instructors' dass rosters. In the absence of such updates, the mane that appears on the class roster is the student's legal mane.

All sturists endledina University of Colorado Boulder couse are responsible for knowing and advaning to the Horr Code. Violations of the Horr Code may include, but are not limited to plagiaism, cheating fabrication, lying bribery, theat, unauthorized access to academic materials, dicker fixed, submitting the same or similar work in more than one couse without permission from all couse instructors involved, and aiding academic distructs. All invidents of academic miscordut will be reported to Sturbert Corduct & Conflict Resolution (horrowalcarbed); 3084925550). Sturberts found response held nown here will be a volve of the volve of the

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