



: canvas.colorado.edu Please confirm that your settings in Canvas enable you to receive regular course notifications and announcements, and that you can receive emails I send you through Canvas.

: lecture notes and any course materials provided to you may not be distributed publicly or shared with individuals who are not registered in the course this semester without instructor consent. In addition, the information contained within this syllabus is subject to change as needed in response to the pandemic or unforeseen circumstances.

ASEN 3200 or equivalent, or instructor permission required.  
Degree credit not granted simultaneously for this course and ASEN 5052.

## Textbooks

A textbook will not be required this semester for this course but is optional. This semester, you may use either of the following editions of this book:

David A. Vallado, "Fundamentals of Astrodynamics and Applications", 5th Edition, 2022, ISBN: 9781881883210.

David A. Vallado, "Fundamentals of Astrodynamics and Applications", 4th Edition, 2013, ISBN: 9781881883180.

An errata document will be provided for the 4<sup>th</sup> edition and optional reading assignments will be provided for the book. Links to additional optional and freely-available resources will be provided on the Canvas page where needed throughout the semester.

## Software

Numerical software packages, such as MATLAB (recommended) or Python, may be used.

Throughout the semester, you will supplement your understanding of foundational astrodynamics concepts with industry-standard software, selecting either

## **Important Dates**

A course schedule including topics and assessment due dates will be made available on the

## Homework Submission Policy

Homework will be submitted electronically via Gradescope and will generally be due in the evening on the specified deadline to accommodate students who need a flexible schedule due to their current location, work, carer, or other commitments. You may consider submitting your homework before this deadline and during your preferred working hours to facilitate creating work/life boundaries during the semester. Once you submit your homework electronically, please double check that the submission has uploaded correctly, is readable and is not corrupted; we cannot grade a homework if we cannot open the file and resubmissions will not be accepted.

Each student in the course will be granted 2 opportunities during the semester to submit a late homework by 5pm MT the day after the regular homework deadline with no grade penalty and without needing to notify or request advance permission from the instructor.

If you need to request additional extensions on the homework, please send the instructor an email no later than 24 hours before the deadline so that I have an opportunity to respond during reasonable working hours. In the case of an unforeseen emergency when you are unable to request an extension within this time frame, please notify me as soon as you can and I will do my best to accommodate these requests with a solution that is both flexible for you and feasible for our instructional team.

Except in the circumstances listed in this section, late homework will not be graded and will not receive any credit. No opportunities for extra credit will be provided.

## Exams

There will be two exams during the semester. These exams will be take-home exams. You will upload your exam submission electronically via Gradescope by the listed deadline; late submissions will not be accepted.

You must complete these exams individually, without any assistance from other people or resources. The expectations for the exam writeup will be the same as the homework submissions, listed previously in this syllabus. Additional, detailed exam guidelines will be provided to you before each exam and must be followed. Violation of any of the exam guidelines is considered an Honor code violation.

If you believe that your exam has been graded incorrectly, you will have one week from the date that the exam is returned to request a regrade in Gradescope (unless an earlier regrade request deadline is listed in Gradescope).

## Classroom Behavior

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 respect to individuals and topics dealing with race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, pol

information, see the [classroom behavior](#) policy, the [Student Code of Conduct](#), and the [Office of Institutional Equity and Compliance](#).

## Requirements for COVID-19

As a matter of public health and safety, all members of the CU Boulder community and all visitors to campus must follow university, department and building requirements and all public health orders in place to reduce the risk of spreading infectious disease. CU Boulder currently requires COVID-19 vaccination and boosters for all faculty, staff and students. Students, faculty and staff must upload proof of vaccination and boosters or file for an exemption based on medical, ethical or moral grounds through the MyCUHealth portal.

The CU Boulder campus is currently mask-optional. However, if public health conditions change and masks are again required in classrooms, students who fail to adhere to masking requirements will be asked to leave class, and students who do not leave class when asked or who refuse to comply with these requirements will be referred to Student Conduct and Conflict Resolution. For more information, see the policy on classroom behavior and the Student Code of Conduct. If you require accommodation because a disability prevents you from fulfilling these safety measures, please follow the steps in the "Accommodation for Disabilities" statement on this syllabus.

If you feel ill and think you might have COVID-19, if you have tested positive for COVID-19, or if you are unvaccinated or partially vaccinated and have been in close contact with someone who has COVID-19, you should stay home and follow the further guidance of the Public Health



