

ASEN 5051: Fundamentals of Fluid Dynamics
MCEN 5021: Introduction to Fluid Dynamics

University of Colorado **Boulder**

Fall Semester 2020

Grading:

- 15% Homework Assignments
- 20% Concept Quizzes
- 30% Mid-Term Exams
- 35% Final Exam

Grades are posted to the class website on Canvas.

Reading: Readings are assigned frequently and are to be completed before lecture. The lecture should help to clarify and supplement what students have read. If a student has any questions on the reading material, they should either raise them during the lecture or contact the professor via email who will address the question during lecture.

Homework Policy: Homework problems are assigned weekly on Wednesdays so that students can implement and practice the theory and concepts discussed in class through traditional engineering problem solving. Students will have one week to complete the assignment and will submit a scanned copy to the course website on Canvas or Gradescope. Students should make an effort to turn in assignments that are organized, professional looking, and legible.

Homework assignments are provided as a learning tool to help students internalize the theories and methods discussed in class and are not used as detailed assessment of the learning. As a result, homework assignments will be graded for completion, in other words a student will receive full credit if they attempt each problem and display sufficient work along the way to each solution. Detailed problem solutions will be provided by the instructor and teaching assistant including basic grading rubrics. This will allow students to individually evaluate their work and assess their equivalent numerical grade, would the assignment have been graded for full credit. The process of critically evaluating ones own work, represents an additional learning opportunity, as it will force each student to dissect their work and understand any miss-steps they may have made.

Collaboration is permitted on homework. This means students may discuss the means and methods for solving problems and even compare answers, but students are not free to copy

Requirements for COVID-19: As a matter of public health and safety due to the pandemic, all members of the CU Boulder community and all visitors to campus must follow university, department and building requirements, and public health orders in place to reduce the risk of spreading infectious disease. Required safety measures at CU Boulder relevant to the classroom setting include:

- maintain 6-foot distancing when possible,
- wear a face covering in public indoor spaces and outdoors while on campus consistent with state and county health orders,
- clean local work area,
- practice hand hygiene,
- follow public health orders, and
- if sick and you live off campus, do not come onto campus (unless instructed by a CU Healthcare professional), or if you live on-campus, please alert [CU Boulder Medical Services](#).

Students who fail to adhere to these 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 policies on [COVID-19 Health and Safety](#) and [classroom behavior](#) and the [Student Code of Conduct](#). If you require accommodation because a disability prevents you from fulfilling these safety measures, please see the "Accommodation for Disabilities" statement on this syllabus.

Before returning to campus, all students must complete the [COVID-19 Student Health and Expectations Course](#). Before coming on to campus each day, all students are required to complete a [Daily Health Form](#). In this class, you may be reminded of the responsibility to complete the [Daily Health Form](#) and given time during class to complete it.

Students who have tested positive for COVID-19, have symptoms of COVID-19, or have had close contact with someone who has tested positive for or had symptoms of COVID-19 must stay home and complete the [Health Questionnaire and Illness Reporting Form](#) remotely. In this class, if you are sick or quarantined, please notify the instructor of your absence from in-person activities and continue in a completely remote mode until you are able and allowed to return to campus. Please note that for health privacy reasons you are not required to disclose to the instructor the nature of your illness, however you are welcome to share information you feel necessary to protect the health and safety of others in the course.

Accommodation for Disabilities: If you qualify for accommodations because of a disability, please submit your accommodation letter from Disability Services to your faculty member in a timely manner so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities in the academic environment. Information on requesting accommodations is located on the [Disability Services website](#). Contact Disability Services at 303-492-8671 or dsinfo@colorado.edu for further assistance. If you have a temporary medical condition, see [Temporary Medical Conditions](#) on the Disability Services website.

