

Exam 1

Ch En 533 – Transport Phenomena

Due: Feb. 24, 2025

Instructions

- You can download a PDF of the exam from Learning Suite “Exam 1.”
- You should submit a *single scanned PDF* of your exam answers named using the following format: `Exam1_Lastname_Firstname.pdf`.
- Start each problem on a separate piece of paper.
- Write neatly and clearly, and explain all assumptions and steps of your derivations.
- Box your final answers.
- **A failure to follow these instructions will result in a loss of points.**

Rules

- The time limit is 4 hours for completing the exam.
- You **may** use your notes, your book, your previous homework, and a calculator.
- You **may** use computer math tools such as Wolfram Alpha, Mathematica, Python, Excel, etc.
- You **may** use scratch paper or write on your test. However, we will only accept your submitted materials for credit.
- You **may not** communicate with anyone but the instructor or TA about the exam until after the due date has passed. This includes (but is not limited to) students in the class and graduate students outside of the class.
- You **may not** use internet searches, internet fora (e.g. stack exchange), Chegg, or similar websites to search or request help, partial solutions, or keys for the exam problems.
- You **may not** use AI tools including ChatGPT, Gemini, Copilot, etc.
- If you have any questions about the above rules, contact Dr. Tree.
- **Violations of the rules of the exam is a breach of academic integrity and will result in loss of points, exam failure, or course failure.**

Contents

This exam contains:

- 4 free response questions

On my honor, I signify that this exam represents my work, and that I have followed the above rules to the best of my ability.

Please Sign Here _____