

Math 124A: Introduction to Partial Differential Equations

Winter 2024

INSTRUCTOR Paul J. Atzberger
<http://atzberger.org/>

Office Hours: TR 1:45 – 3:15pm
Location: SH 6712 / TD-W 2600.



CLASS TIMES TR 12:30 – 1:45pm
TD-W 2600

DESCRIPTION Partial Differential Equations (PDEs) play an important role in many fields including in mathematics, statistics, natural sciences, engineering and finance. This class will discuss both mathematical foundations and practical solution methods for PDEs. Examples also will be discussed from related applications areas. More information can be found on the course website.

PREREQUISITES Calculus, Linear Algebra, and Ordinary Differential Equations

TEXTBOOKS *Partial Differential Equations (An Introduction)* by Walter A. Strauss.

GRADING Homework/Quizzes 30%
Midterm 30%
Final Exam/Project 40%

POLICIES Assignments will be assigned in class and posted on the course website. Prompt submission of homeworks will be required. While no late homework will be accepted, one missed homework will be allowed without penalty. While it is permissible for you to discuss materials with classmates, the submitted homework must be your own work.

There is a policy of no video or pictures to be taken during lectures. Instead, one should take notes and pay particular attention. There is also a policy of no texting, e-mailing, or social media during the class. It is hoped one is avoiding such distractions to make the most of the class.

EXAMS A midterm exam will be on Tuesday, February 13.
Final exam (see university calendar).

TOPICS See the website for additional information.

WEBSITE <http://teaching.atzberger.org/>