

Student information and course goals

Name and Panther Id: Ezequiel Barrera, 6255810

Phone number: (754)368-5463

Alternate Email address: walterbarrera1234@gmail.com

Major: Applied Mathematics

Last math course taken and when: Topology, Adv. Calc 2, Math Logic, Algebraic structures, all taken Spring 2024

Why are you taking this course?

So I can learn to model my own problems with PDE's. Also PDE's takes ideas from many topics I would like to learn more about.

What are your expectations for this course?

To be able to approximate solutions for unknown non-linear PDE's using linear PDE's

What is your learning goal for this course?

Introduce myself to basic differential forms, measure theory, and PDE's

How are you planning to meet your goal for this course?

First finding the intuition by reading articles and videos, then formalizing, proving, and applying.