MAP 6357 - Partial Diff Equa
MWF Period 4 (10:40 AM - 11:30 AM) Room:LIT0225

Instructor: Cheng Yu, Little Hall 306, chengyu@ufl.edu

Office Hours: MW 5 periods or make appointment.

Textbooks: Partial Differential Equations by Evans.

Prerequisites: Any graduate, advanced undergraduate students with strong backgrounds in analysis and PDE1.

Description: This course is tailored for graduate students specializing in mathematics and engineering. Throughout this course, we will delve into Sobolev spaces, fundamental theories of the second-order elliptic equations, and linear evolution equations. Specifically, our focus will encompass the core concepts of Chapter 5, Chapter 6, and Chapter 7. Additionally, time permitting, we will introduce a selected topics.

Homework assignments: There will be several homework assignments. I will encourage students to discuss HW problems with your classmates or friends. But please write the solutions independently.

Grade Policy and Exams: The grade will be determined by a final project and presentations in class.

Students with Disabilities: Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Diversity and inclusion: I am committed to diversity and inclusion of all students in this course. I acknowledge, respect, and value the diverse nature, background and perspective of students and believe that it furthers academic achievements It is my intent to present materials and activities that are respectful of diversity: race, color, creed, gender, gender identity, sexual orientation, age, religious status, national origin, ethnicity, disability, socioeconomic status, and any other distinguishing qualities.