

Math 217 - Ordinary Differential Equations
Place: Monroe B35, **Time:** W & F 02:20-3:35 PM
CRN: 35975
Spring 2010

Instructor: Frank Baginski, Hall of Government 224, 2115 G Street NW
Contact: baginski@gwu.edu or 202-994-6269
Office Hours: W & F 4:00-5:30 PM or by appointment

Textbook: Garrett Birkhoff and Gian-Carlo Rota, *Ordinary Differential Equations*, 4th Ed., Wiley, 1989.

Math 217 Topics (Chapters from Birkhoff & Rota)

Chapter 1 First-Order Differential Equations (3 Lectures)

Chapter 2 Second-Order Linear Equations (4 Lectures)

Chapter 4 Power Series Solutions (4 Lectures)

Chapter 5 Plane Autonomous Systems (4 Lectures)

Chapter 6 Existence and Uniqueness Theorems (4 Lectures)

Chapter 9 Regular Singular Points (2 Lectures)

Chapter 10 Sturm-Liouville Systems (4 Lectures)

Chapter 11 Expansions in Eigenfunctions (2 Lectures)

Grading Policy

- There will be weekly homework assignments (50%), a midterm (25%) and a final (25%).
- Midterm: Friday February 26, 2010
- Final Exam: May 3-11. The date will be announced later in the semester.
- The midterm and final exams will be closed book.

Prerequisites

- Math 140.
- If you are concerned about your preparedness, please see me.

Additional Course Information

- The last day of classes is Wednesday April 28, but April 28 is a designated Monday.
- Math 217 will not meet on April 28.
- For classes that meet WF, the last class day is Friday April 23.
- During the semester, announcements will be made via Blackboard. Make sure you read your gwmail account or have it forwarded to an email account that you do read regularly.