Math417 Partial Differential Equations for applications

Text: Applied Partial Differential Equations, Richard Haberman, 4th or 5th.

This is an introductory course in Partial Differential Equations meant to broaden your basic knowledge of the fundamental equations of mathematical physics and learn some of the techniques used to solve them. I anticipate covering Chapters 1-5 and 7, and selected material from Chapters 10 and 12.

Grading Policy Your grade will be based on Homework 30%, and two closed book in class midterms (35% each). There will be an *optional* two hour final which can be used to replace your lowest midterm score. There will be no makeup exams.

JHU Ethics policy

"The strength of the university depends on academic and personal integrity. In this course, you must be honest and truthful. Cheating is wrong. Cheating hurts our community by undermining academic integrity, creating mistrust, and fostering unfair competition. The university will punish cheaters with failure on an assignment, failure in a course, permanent transcript notation, suspension, and/or expulsion. Offenses may be reported to medical, law, or other professional or graduate schools when a cheater applies. Violations can include cheating on exams, plagiarism, reuse of assignments without permission, improper use of the Internet and electronic devices unauthorized collaboration, alteration of graded assignments, forgery and falsification, lying, facilitating academic dishonesty, and unfair competition. Ignorance of these rules is not an excuse. In this course, as in many math courses, working in groups to study particular problems and discuss theory is strongly encouraged. Your ability to talk mathematics is of particular importance to your general understanding of mathematics. You should collaborate with other students in this course on the general construction of homework assignment problems. However, you must write up the solutions to these homework problems individually and separately. If there is any question as to what this statement means, please see the professor. For more information see the guide on "Academic Ethics for Undergraduates" and the Ethics board website (http://ethics.jhu.edu) for more information."

Additional Support

Math Help Room at Krieger 213: Monday–Thursday from 9AM–9PM and Fridays from 9AM–5PM.