Syllabus–Math 110.417
Partial Differential Equations for Applications, Spring 2007

General Information

Instructor: Matthew Blair
Email: mblair@math.jhu.edu
Course Website: http://www.math.jhu.edu/~mblair/417.html
Office: Kreiger 220
Office Hours: Monday 2-3:30 pm in Kreiger 220, and by appointment.

Grader: Renjie Feng, in Krieger 415


On Reserve:
Partial Differential Equations: An Introduction, by Walter Strauss

Meeting times/location

Lecture: Monday, Tuesday, and Wednesday at 12 pm in Shaffer 101.

Course Description


Grading Scheme

Your course grade will be determined by the following: Homework 25%, Midterms 45%, Final 30%.

Exams

The largest portion of your total grade will be determined by your performance on three exams, two midterms and a final exam. More information regarding date and the content of the midterm will be provided in class as the time approaches. The final exam will be held on Tuesday, May 8, 2-5 pm, location to be announced. Calculators are not to be used during examinations.

There will be no make-up exams. If an exam is missed with a valid excuse, the grade for that exam will be a weighted average of the grades obtained on subsequent exams. The grade for an unexcused exam will be a zero. The Academic Advising Office provides letters for excused absences.
Homework

A strong commitment to solving problems outside the classroom is crucial for your success in this course. Homework will be collected weekly on Tuesdays, except on the weeks of the midterms. Assignments will be posted on the course website. **Late homework will not be accepted.**

It is very important that you **show your work** on each assignment, as your grades will largely be based on what you have demonstrated, not the answer on the bottom line. Please take care to hand in a neat, legible assignment and staple the pages together in the corner.

Readings

You are also expected to read the textbook outside of class. Reading sections in the book before they are discussed in class will help you to get the most out of class time and to stay on top of the material. Throughout the semester, readings relevant to the lectures will be assigned.

In addition to reading portions from Haberman’s text, you will also be asked to read portions of Walter Strauss’ text. A hard copy of this book is on reserve at MSE library. In addition, the relevant chapters from the book have been put on electronic reserve on the library’s website at [www.lib.jhu.edu](http://www.lib.jhu.edu). This will allow you to access a PDF copy of the chapter from any university computer. When on the library website, click on “Find Reserves” and then “Course Readings” on the subsequent page, this will take you to a menu where you can select the readings for this course. You may also be able to go to the readings directly by clicking on the link

http://reserves.library.jhu.edu/access/reserves/findit/articles/blair/blair.php.

Do not hesitate to contact me if you encounter difficulty with this.

Special Aid

Students with disabilities or other special needs who require accommodations must be registered with the disability coordinator in the Office of Academic Advising. Arrangements for testing accommodations should be made well in advance, at least one week before the date of the examination.

Academic Integrity

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.

You may collaborate with other students on homework assignments, however you must write up each assignment individually and in your own words.