

MATH 333 COURSE INFORMATION

Prerequisite A grade of C or better in Math 231 and either Math 232 or Math 261.

Required Text APPLIED PARTIAL DIFFERENTIAL EQUATIONS WITH FOURIER SERIES AND BOUNDARY VALUE PROBLEMS (4TH EDITION), by R. Haberman

Course Content Selected sections in Chapters 1-10 of the textbook.

Course Objective We will learn how to analytically solve some canonical linear partial differential equations which arise when modelling physical phenomena such as the vibration of a string or the temperature distribution in a rod. Some emphasis will be placed upon the physical interpretation of the mathematical solution.

Homework Policy Problems will be assigned regularly. At least two problems from each assignment will be graded. I encourage you to collaborate with each other when doing the homework problems; however, each person must hand in the solutions in his/her own writing and words. Furthermore, I must receive a hard copy of the assignment at the beginning of the class period in which it is due. I will not accept an electronic copy.

Make-up Policy There will be **no** make-ups for the homework problems. If you will not be in class the day the homework is due because of a prearranged conflict, it is your responsibility to get the assignment handed in to me **before** you leave.

There will be **no** make-up exams. If you miss one or more exams, the score on the final will be substituted for the score of each missed exam.

Grading Policy Homework will be collected weekly, and a subset of the homework will be graded. The lowest homework grade will be dropped. There will be two midterm exams, and a final exam. The points will be distributed as follows:

	Homework	Midterm Exams	Final Exam	Total
Points	100	200	150	450

The distribution of grades is not determined until the end of the semester. In a typical situation, the final distribution of grades will determine the cutoff point for A's, B's, etc. I can guarantee, however, that if your class average is 90 or better, then you will receive an A for the course.

Attendance Policy Your attendance is not mandatory; however, your likelihood of doing well is directly proportional to the number of lectures that you attend. If you decide not to attend, that is your business, but please do not then expect me to be sympathetic to your pleas for help the day before a homework assignment is due.

Electronic Gadget Policy While you are free to use the technology of your choice while doing the homework problems, you will not be permitted to use any technology when taking in-class exams.

The classroom is a **No Cell Phone Zone**. You are not to use your cell phone to make phone calls, receive phone calls, or text message. Any violation of this policy will result in the deduction of three points from your final class average.