



Instructor: Dr. Richard Crew, Little Hall 404

Office Hours: TBA

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Classroom and meeting time: MWF 7 in FAB 103

This course is the sequel to MAP2302, the Math Department's introductory course in differential equations. The text is the latest edition of Nagle, Saff and Snider's *Fundamentals of Differential Equations*. We will cover chapters 8, 9, and 10. Topics include: power series solutions of linear equations, matrix methods and partial differential equations.

MAP 2302 is required. A course in linear algebra (MAS 3114 or MAS 4105) would be helpful, but we will cover the necessary material from scratch.

The final course grade will be determined from three midterm exams, to be given on dates that will be announced later. Homework will be regularly assigned and discussed in class, but not collected or graded. Final letter grades for the course as follows, depending on the student's enrollment:

Mathematics graduate students: A, 90% or above; B, 80-89%; C, 70-79%; D, 60-69%; E, 59% or below.

Undergraduates and other graduate students: A, 90% or above; B, 80-89%; C, 65-79%; D, 50-64%; E, 49% or below.

These percentages may be modified after the second midterm exam.

The student should be familiar with the University's Academic Honesty Policies

Attendance will not be taken, but it is the student's responsibility to attend classes, and to get notes for the lectures if a class must be missed. This policy is consistent with university regulations on attendance.

Makeups for exams must be arranged in advance, except in the case of a documented medical emergency. Acceptable reasons for missing an exam are serious family emergencies, special curricular requirements of other units of the University, military obligations, religious holidays, severe weather conditions, or court-imposed legal obligations

Late homework will not be accepted. Homework may be submitted by email; please use PDF files for this purpose. Any submissions by email must be received by noon of the due date.

Students requiring accommodation for disabilities must make arrangements through the Disability Resource Center.

Students are expected to provide feedback on the quality of instruction by completing online evaluations. Typically this process takes place during the last weeks of the semester. The results of the evaluations are available when they are tabulated.

Please silence your cell phones.

This web page is the authoritative source for the syllabus and course requirements, and supersedes all previous versions.

