This syllabus assumes that the students have not had Math 0280, linear algebra.


Supplement to text: Ordinary Differential Equations using Matlab, by Polking and Arnold, Third edition. The supplement comes free with the text when these are bought new at the Pitt bookstore.

The publisher of each of these is PEARSON Prentice Hall.

Course meetings: Three per week for 14 weeks. There will be a graduate student Teaching Assistant for each section, whose duties include holding regular office hours and grading homework. The instructors will also have scheduled office hours.

There will be two hour exams, occurring in approximately the 6th and 10th weeks of classes. Exact dates will be announced by individual instructors. These exams will be different in the different sections.

There will be a two hour final exam common to the two sections, on the officially scheduled date of Monday, Dec. 11, 10:00 a.m. -11:50 a.m. This will count for 40% of the final grade. Further grading policies will be announced by the individual instructors and may differ between sections.

Calculators, or other aids, such as texts or notes, will not be allowed on any exam.

Material will be taken from chapters 1,2,3,4,5,6,7,8,9,12 and 13, but time will not permit covering any of these in its entirety. Also, the order in which the material is treated may be different from that in the text. Chapter 7 (Linear Algebra) will be discussed only to the extent necessary to understand material in the subsequent chapters. Topics within these chapters may differ slightly between the two sections, but the final will include only material which is covered in both sections.

In addition, some material, including computer homework, will be taken from the Matlab supplement.