

Math 461 Spring 2010

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Office hours: TuTh 1 - 2

Text: Lay, D. *Linear Algebra and its Applications* 3^d ed., Addison Wesley

The notion of linearity appears in many areas of mathematics and in many areas of science and engineering, basically because linear equations often are a good approximation to the non-linear equations which govern many systems, and linear equations are much easier to solve. This course will cover the material in chapters 1-7 of the text.

The prerequisite for this course is Math 141, and a course for which Math 141 is a prerequisite.

There will be a total of 650 points available in the course, allocated as follows.

Several MATLAB assignments (worth total 50 points), five exams each 100 points (four best worth total 400 points), a comprehensive final exam (200 points)

Please note that for a makeup a written explanation from a doctor will need to be provided. With the proper explanation the next test will be the makeup : i.e. the grade will be scaled up to reflect the missing score.

The grades will be awarded by 90%+ A, 80-89% B, 70-79% C, 60-69% D, 0-59% F.

MATLAB INFORMATION

It is recommended to work in small teams (up to three people). Each team submits one printed solution, signed by all members. In order to be able to print at the university labs you need a printing account.