Syllabus – Linear Algebra  
MATH 2270-1 - SPRING 2003

1. The Instructor

- Name: Javier Fernandez
- Office: JWB 313 (this is in the third floor of the John Widtsoe Building, on President’s circle).
- e-mail: jfernand@math.utah.edu
- Office Hours: Mondays and Wednesdays 9:30 – 10:30, and by appointment.

2. The Course

- **Schedule:** Lectures Mondays, Tuesdays, Wednesdays and Fridays, 8:35 – 9:25AM, in LCB 121.
- **Web Page:** The “official” web page of this class is [http://www.math.utah.edu/~jfernand/2270](http://www.math.utah.edu/~jfernand/2270)
- **Topics:** We will cover most of chapters 1 through 8 from the textbook. In particular, we will talk about linear systems of equations, elimination methods, linear spaces, linear transformations, determinants, eigenvalues and eigenvectors, orthogonality, etc.
- **Prerequisites:** Math 1210-1220, or Math 1250–1260, first year Calculus. Previous exposure to vectors, either in a multivariable Calculus (like 2210 or 1260) or in a Physics course is helpful but not essential.
- **Tests and Exams:**
  - There will be three in-class 50 minute tests, that will be cumulative, but mostly focused on the material covered since the last test.
  - Final (Cumulative) Exam: Monday, April 28, 8:00 - 10:00 AM., in LCB 121.
  - **Makeups:** none, except for University-excused absences.
- **Homework:** There will be weekly assignments that will be announced in class and that will also appear in the web page. The homework will be graded by a grader that will only grade a random sample of the assignment. Homework is due at the end of the corresponding class and no late homework will be accepted.
- **Lab Projects:** There will be three computer based projects aimed at helping the students familiarize with some of the available computer packages for doing linear algebra (and many other things).
- **Computer Software:** We will be using the package MAPLE for this class. No previous knowledge of the software is assumed, and an introductory lecture will be taught during the second week of class (place and exact date/time to be announced in class).
• **Grades:** the final (number) grade will be computed as follows: 30% from your final exam grade, 25% for each of the best two test grades (that is, we drop the lowest test score), 10% for each of the homework and project grades.

• **Tutoring Center:** Open 8:00 AM – 8:00 PM Monday through Thursday and 8:00 AM – 2:00 PM on Fridays, in the Mathematics Tutoring Center (between the JWB and LCB buildings). Please check the schedule maintained at

  [http://www.math.utah.edu/ugrad/tutoring.html](http://www.math.utah.edu/ugrad/tutoring.html)

to be sure that there will be some tutor that can help you.

• **Calculators:** the use of calculators in class and during exams is allowed. Other electronic devices (laptop computers, etc) are not allowed during exams. Notice that it may be requested that certain exercises be solved *without* the use of calculators.

• **ADA Statement:** The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic, learning and psychiatric disabilities. Please contact the instructor at the beginning of the semester to discuss any such accommodations you may require for this course.

• **Withdrawal:** the last day to withdraw from the course is Friday, February 28.