Course: Math 20F: Linear Algebra

Instructor: Ekaterina Merkurjev

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Lecture: MWF 9:00–9:50am in Peter 110

Class Website: http://www.math.ucsd.edu/~emerkurj/Math20F.htm

Prerequisite: Math 20C (or Math 21C) or Math 31BH with a grade of C- or better.


Textbook: Linear Algebra and Its Applications 5th edition, by David C. Lay, Steven R. Lay, and Judi J. McDonald

Subject Material: We will cover parts of Chapters 1-6.

Lecture: Attending the lecture is a fundamental part of the course. You are responsible for material presented in the lecture whether or not it is discussed in the textbook. You should expect questions on the exams to test your understanding of concepts discussed in the lecture and in the homework.

Calculators: A calculator should be used only as an aid in learning concepts, not just as a means of computation. The use of calculators will not be permitted during exams.

Homework: Homework exercises will be assigned Fridays on the course homework page and they are due on the subsequent Friday in your TA’s dropbox in the basement of AP&M by 3pm.

Matlab: All information about Matlab is available here. It is your responsibility to keep track of deadlines for Matlab.

Midterm Exams: There will be two midterm exams, one given on Wednesday January 27 and the other on Wednesday February 24 during class. No calculators, books or notes will be allowed during the midterm exams. Students will not be allowed to take makeup midterm exams.

Final Examination: The final examination will be held at Wednesday, March 16 at 8-11 am. No calculators will be allowed during the final exam. This exam is closed book, closed note.

Regrades: Midterm exams will be returned in the discussion sections. If you wish to have your exam regraded, you must return it immediately to your TA. Regrade requests will not be considered once your exam leaves the room. If you do not retrieve your exam during discussion section, you must arrange to pick it up from your TA within one week after it was returned in order for any regrade request to be considered.

Grading: Your grade will be based on the scores of the homework, matlab, two midterms, and one final exam with the lowest homework grade dropped. It will be calculated from taking the maximum of the scores defined below:

(10% HW) + (10% Matlab) + (20% Midterm) + (20% Midterm) + (40% Final)

(10% HW) + (10% Matlab) + (20% Best Midterm) + (60% Final)

Your Matlab grade is composed of 1% for each assignment (for a total of 5%) and 5% for the Quiz. Grades will be posted on UCSD’s TED website.

Academic Dishonesty: Academic dishonesty is considered a serious offense at UCSD. Students caught cheating will face an administrative sanction which may include suspension or expulsion from the university. It is in your best interest to maintain your academic integrity.