

Linear Algebra I
Math 265, Winter 2009
1:00-1:50 MTWTh, Black 113 DE

Instructor: Dr. Fassett
Office: Bouillon 108C
Phone: 963-2401
Email: fassett@cwu.edu
Web: www.cwu.edu/~fassett/
Office Hours: to be announced

Text: Linear Algebra: with applications, Seventh Edition, by Steven J. Leon.

Calculator: A graphing calculator capable of matrix operations is recommended for the course. I will be using the TI-84 Plus.

Course Goals: Upon successful completion of the course, the student will be well-versed and proficient in the following areas and techniques of linear algebra:

- Systems of linear equations
- Determinants
- Vector spaces and subspaces
- Linear independence, basis, and dimension
- Linear transformations.
- Eigenvalues and eigenvectors
- Applications of linear algebra

Course Policies:

Attendance: Daily attendance is expected and considered necessary for success. Please bring the text and a calculator to each class meeting. You are responsible for any announcements made during class regarding homework and exams.

Technology: We will often make use of our calculator's ability to perform tedious and complicated computations that can arise in linear algebra. I will be assuming that everyone is familiar with the basic arithmetic and graphical features of their calculator.

Homework: Daily homework will be assigned and periodically collected. As the assigned problems will form the basis for exams, it is to your advantage (and responsibility) to keep up with the homework.

Exams: There will be three 100-point exams announced in advance. No exam score will be dropped. Make-up exams will only be allowed in extreme cases.

Final Exam: A comprehensive 100-point final exam is scheduled for Wednesday, March 18, 12:00-2:00

Grading: In linear algebra, many of the assigned problems will be to determine whether or not a given statement is true or false. Usually it is easier to determine the answer than it is to explain your reasoning for arriving at the answer. In grading written solutions, I will be paying special attention to the precise communication of both logical reasoning and mathematical computations.

Course Grade: Total points for the course will be based upon the following:

Homework	50 points (11%)
Three in-class exams (100 pts each)	300 points (67%)
Final Exam	<u>100 points (22%)</u>
Total	450 points

Course grades will be assigned based upon the following scale:

100-93% = A	79.9-77% = C+	below 60% = F
92.9-90% = A-	76.9-73% = C	
89.9-87% = B+	72.9-70% = C-	
86.9-83% = B	69.9-67% = D+	
82.9-80% = B-	66.9-63% = D	
	62.9-60% = D-	

I reserve the right to adjust the above scale (in the student's favor) if deemed appropriate.

Students with special needs or disabilities that may affect their ability to access information or material presented in this course are encouraged to contact the Director of Disability Support Services at 963-2171 (TTD 963-2143).