

MATH 270 - Linear Algebra Spring 2015

Time: Tuesday and Thursday 9:35-11:00 **Room:** MSA 105.

Prerequisite: Math 262 with a grade of "C" or better, or an appropriate placement level demonstrated through math assessment process.

Instructor: Dr. Mohamad Alwash

E-mail: alwashm@wlac.edu. **Phone:** (310)287-4216 **Office:** MSB-212

Office Hours: Monday -Thursday 11:00-12:25.

Textbook: Elementary Linear Algebra, by Howard Anton, 10th Edition.

Student Learning Outcomes:

1. Solve systems of equations using Gauss-Jordan elimination and Cramer's rule.
2. Understand the concepts: vector space, subspace, basis, and dimension.
3. Use the Gram-Schmidt process to find an orthogonal basis in an inner product space, and apply the idea in finding the best approximation of a solution.

Homework and Quizzes: Homework assignments will be given every day. These assignments will not be graded. The questions in the quizzes are from the assignments. We shall discuss the assigned questions during the next class period. Please, do not expect that we do all the questions in class. The quizzes are worth 10% of the final course grade.

Tests: There will be three tests and a final. Each of the three tests is worth 20% of the final course grade. Makeup tests will be given to students possessing valid excuses.

Final: The final will be a comprehensive exam. It is worth 30% of your final course grade.

Attendance:

If you miss two weeks, the instructor has the option of excluding you from the class.

Summary: Total 1000 points

Tests: 600 P; 200 P each, *Quizzes:* 100 P, *Final:* 300 P

Grading:

A: 850-1000 B: 750-849 C: 650-749 D: 550-649 F: less than 550

Important Dates:

Last Day to Drop Without a "W": 2/20/2015

Last Day to Drop With a "W": 5/8/2015

*Page 1 of 2***Schedule (Tentative):**

Tuesday	Thursday
2/10 Chapter 1	2/12 Chapter 1
2/17 Chapter 1	2/19 Chapter 1
2/24 Chapter 2	2/26 Chapter 2
3/3 Chapter 3	3/5 Chapter 3
3/10 Chapter 3	3/12 Chapter 3
3/17 Test 1	3/19 Chapter 4
3/24 Chapter 4	3/26 Chapter 4
3/31 Holiday	4/2 Chapter 4
4/7 Break	4/9 Break
4/14 Chapter 4	4/16 Chapter 4
4/21 Test 3	4/23 Chapter 5
4/28 Chapter 5	4/30 Chapter 6
5/5 Chapter 6	5/7 Chapter 7
5/12 Chapter 7	5/14 Chapter 8
5/19 Chapter 8	5/21 Chapter 8
5/26 Test 3	5/28 Review
6/2 FINAL	

Final Exam: Tuesday 6/2/2015, 10:15-12:15*Page 2 of 2*