Math 26, Section 10220  
Introduction to Linear Algebra, SM 129  
Fall 2009  MWF: 12:00 – 1:20 pm

Instructor:  Frank Gonzalez  
Office: SM 355  
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Email: fgonzalez@saddleback.edu  
Office Hours: Mon – Fri: 11:00 am – 12:00 pm

Text: Linear Algebra, 3rd edition, Fraleigh and Beauregard.

Prerequisite: Math 3B or equivalent.

Content: We will cover chapters 1-7. This course is designed to give the students a solid introduction to vector spaces and matrices while investigating methods of writing mathematical proofs.

Student Learning Outcomes: Students who successfully complete Math 26 will be able to:
1. demonstrate mastery of the computational skills necessary to work with vectors in Euclidean space and matrices.  
2. demonstrate critical thinking skills by being able to write formal mathematical proofs.  
3. demonstrate mastery of the concepts and computations involved in working with linear transformations.

Additional Resources: Free tutoring is available in the LAP (Learning Assistance Program) located in LIB 114. A link to the LAP is located on my website. Also, computer software is available in the computer lab in SM 348.

Grading  
Grades are determined on the number of points earned out of 600 possible. There are three major categories for points. They are

1) Three tests (100 points each), see calendar for dates  
2) Eleven quizzes (10 points each), see calendar for dates  
3) Homework (50 points possible)  
4) Final Exam (150 points), see calendar for date.

Your lowest quiz score will be dropped. The following scale then assigns letter grades:

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C, Pass</th>
<th>D, No Pass</th>
<th>F, No Pass</th>
</tr>
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<tbody>
<tr>
<td>90% or above</td>
<td>80% or above</td>
<td>68% or above</td>
<td>60% or above</td>
<td>Below 60%</td>
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**Tests:** There will be three tests, each worth 100 points. Each test will comprise of an in class portion (90 points) and a take-home portion (10 points). There is *no make-up tests allowed*. If you will miss a test, you must notify me no later than 24 hours after the test.

**Quizzes:** There will be eleven quizzes, each worth 10 points. Since your lowest quiz score will be dropped, there is *no make-up quizzes allowed.*

**Homework:** Collected daily at the beginning of class. Problems will come from the text and supplemental handouts. Each assignment is worth 1 point. *No late homework is accepted.* In addition, homework must be stapled with your first and last name, course title, and date clearly stated in the upper right hand corner of the front page. Homework not abiding by these standards will not be accepted.

**Final Exam:** The final exam is worth 150 points, and must be taken at the scheduled time. The final exam will be comprehensive, meaning it will cover the entire semester.

**Calculators:** A graphing calculator is highly recommended; I will be using a TI 84 in class. I will show how to successfully use the calculator for most of the required computations. Your best bet is to always bring your calculator, since you will be attempting practice problems throughout class. You cannot use your cell phone as a calculator due to its internet capabilities.

**Academic Honesty:** In academics as in all parts of life, honesty and authenticity of one’s work is regarded as the underlying moral code. Thus, anyone caught cheating will be held fully responsible in accord with the rules set out by Saddleback College (see *Student’s Rights and Responsibilities* in the Student Handbook). In addition, please see the Math, Science, and Engineering Division Policy on Academic Integrity (a link is available on my web page).

**Attendance:** Attendance will be taken on a daily basis. A student who is not passing the class and has excessive absences (6 hours or more) will be dropped from the class without their permission.

**Special Accommodations:** If you have a documented disability and need accommodations for this class, see me within the first two weeks of the semester. Also contact Special Services for assistance, located in the Student Service Center, SSC 113, 582-4885. I must receive all appropriate documentation before allowing you to proceed with accommodations. A link to special Services is located on my web page.

**Important Dates:**
- September 25, Last day to drop without a “W” grade,
- November 5, Last day to drop with a “W” grade.