Math 3A H, Fall 2011
Gonzalez

Math 3A Honors: Analytic Geometry and Calculus
Mon/Wed/Fri 7:30 – 8:55 am
SM 201

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Email: fgonzalez@saddleback.edu
Web Page: www.saddleback.edu/faculty/fgonzalez

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<th>Monday</th>
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<tbody>
<tr>
<td>Office Hours</td>
<td>9:00-9:30 am</td>
<td>10:30-2:45 pm</td>
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<tr>
<td>SM 355</td>
<td>1:30-2:45 pm</td>
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<td>Lab Hours</td>
<td>9:30-10:30 am</td>
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<td>SM 348</td>
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**Text:** Select 1 of the following 3 choices:

**Prerequisite:** Math 2, Pre-Calculus.

**Content & Objectives:** We will cover chapters 0 – 6. This is the first course in a three semester sequence on calculus and analytic geometry primarily for math, engineering, and physical science majors.

**Student Learning Outcomes:** Students who successfully complete Math 3A Honors will be able to:
1. Demonstrate mastery of the computational skills required for calculus, such as the ability to take limits, derivatives, and anti-derivatives.
2. Demonstrate critical thinking skills by setting up and solving word problems that require the tools of calculus.
3. Use calculus to generate and describe the graphs of various functions.
Grading

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

1) Three tests (100 points each), see calendar for dates
2) Five assignments (25 points each)
3) Homework (50 points possible)
4) Final Exam (150 points), see calendar for date

Note that your lowest assignment score will be dropped. The following scale then assigns letter grades:

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<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Pass</th>
<th>D</th>
<th>No Pass</th>
<th>F</th>
<th>No Pass</th>
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<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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<td>540 points</td>
<td>480 points</td>
<td>408 points</td>
<td>360 points</td>
<td>Less than 360</td>
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Tests: There will be three tests, each worth 100 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. Please see the calendar for dates.

Assignments: There will be five assignments, each worth 25 points, consisting mostly of mathematical proofs. Since your lowest assignment score will be dropped, there is no make-ups allowed.

Homework: Collected weekly at the beginning of class on Fridays. Problems will come from the text and supplemental handouts. No late homework is accepted, and each assignment is worth 3 points, where 1 point is for correctness and 2 point are for completion. 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 in part be based on new material and in part comprehensive.
Policy

Calculators: Most scientific calculators are allowed on all homework, tests, and assignments. Graphing calculators (such as a TI 30, 34, 83, 89, etc) are not allowed. You cannot use your cell phone as a calculator. Your best bet is to always bring your calculator to class, since you will be attempting practice problems throughout class.

Attendance: Attendance will be taken on a daily basis. A student who has excessive absences (6 hours or more) may be dropped from the class without their permission.

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).

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.

Additional Important Dates:
- September 23, 2011, Last day to drop with no penalty to your grade.
- September 23, 2011, Last day to switch grading to Pass / No Pass.
- November 3, 2011, Last day to drop with a “W” grade.

Additional Resources: The textbook web site has a variety of study tools and applets, www.wiley.com/college/anton. In addition, free tutoring is available in the LAP (Learning Assistance Program) located in Village 8.