INSTRUCTOR INFORMATION

Instructor: Craig Chamberlin
Office: F-5
Office Hours: After class or by appointment
Phone: (760) 744-1150 x3276
Email: cchamberlin@palomar.edu
Web page: http://www2.palomar.edu/users/cchamberlin

COURSE DESCRIPTION


Prerequisites: Grade of "C" or better in Mat 140 or eligibility determined through the math placement process.

Course content: Section 4.4, chapters 6-8 (omitting section 8.4), and chapters 10 and 11

Course objectives:
1. Apply critical thinking and quantitative reasoning skills to solving mathematical problems with calculus.
2. Identify and evaluate limits of indeterminate form.
3. Identify and evaluate improper integrals.
4. Model and solve application problems with definite integrals.
5. Evaluate integrals using a variety of techniques of integration.
6. Analyze sequences and infinite series with analytic, geometric, and numeric methods.
7. Represent elementary functions with appropriate power series.
8. Construct and analyze multiple representations of conic sections.
9. Represent functions in the polar coordinate system using analytic, geometric, and numeric perspectives.
10. Construct, graph, and use parametric equations.

Course SLO: Demonstrate proficiency in evaluating integrals using various techniques of integration.

BASIS FOR EVALUATION:

<table>
<thead>
<tr>
<th>% OF POINTS</th>
<th>LETTER GRADE</th>
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<tbody>
<tr>
<td>90-100</td>
<td>A</td>
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<tr>
<td>80-89</td>
<td>B</td>
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<tr>
<td>70-79</td>
<td>C</td>
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<tr>
<td>60-69</td>
<td>D</td>
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<td>0-59</td>
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1. Three in-class tests will be 65% of your grade.
2. Homework/quizzes/class work will be 10% of your grade.
3. A comprehensive final exam will be 25% of your grade.
COURSE INFORMATION

Calculators: You need a graphing calculator to successfully complete this course. However, calculators that perform symbolic calculations (like the TI-89) and cell phone calculators are strictly prohibited. I recommend TI-84 Plus.

Homework: Homework will be assigned from the exercises in the book and via Webassign. You are required to buy the version of Webassign that includes the ebook.

Class work: I often assign problems that are to be completed in class. Sometimes I collect the class work and grade it as homework.

Work load: Most students should spend at least 12-16 hours per week studying outside of class.

Tutoring: You can get additional help at the Mathematics learning Center, located in MC-5.

Make up: No one may make up tests without an institutional excuse or a doctor’s note. Late homework is accepted with a 10% deduction in your score.

Absences/tardies: Regular, on-time, attendance is expected and necessary for successful completion of this course. A student with more than two unexcused absences/tardies may be withdrawn from class at my discretion.

Withdrawal: It is the responsibility of the student to withdraw from a class. Note that July 11 is the last day to withdrawal for a grade of "W."

Disabled Students: If you require accommodations for a disability, please let me know and contact Disabled Student Programs & Services at extension 2375.

Tentative Schedule

<table>
<thead>
<tr>
<th>WEEK STARTING DATES (MONDAYS)</th>
<th>ACTIVITES FOR THE WEEK</th>
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<tbody>
<tr>
<td>June 20</td>
<td>5.5, 7.1, 7.2, 7.3, 7.4, 7.5, 4.4</td>
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<tr>
<td>June 27</td>
<td>7.8, <strong>Test 1</strong>, 11.1, 11.2, 11.3, 11.4</td>
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<td>July 4</td>
<td><strong>Holiday</strong>, 11.5, 11.6, 11.7, 11.8, 11.9, 11.10</td>
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<tr>
<td>July 11</td>
<td><strong>Test 2</strong>, 6.1, 6.2, 6.3, 6.4, 6.5</td>
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<tr>
<td>July 18</td>
<td>8.1, 8.2, 8.3, 10.1, 10.2, 10.3</td>
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<tr>
<td>July 25</td>
<td><strong>Test 3</strong>, 10.4, 10.5, <strong>Final Exam</strong></td>
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