SYLLABUS AND COURSE INFORMATION
SUMMER 2015-MAT 141, CALCULUS II
SECTION 51244  1:00-3:25 PM  M-TH F-8

INSTRUCTOR INFORMATION

Instructor: Craig Chamberlin  
Office:  F-5
Office Hours: After class or by appointment  
Phone: (760) 744-1150 ext. 3276
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: The successful student will be able to:

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 EVALUATION

Basis for Evaluation:  
1. Three in-class tests will be 65% of your grade.  
2. Homework/Class Work will be 10% of your grade.  
3. A comprehensive final exam will be 25% of your grade.  

<table>
<thead>
<tr>
<th>% of Points</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>90-100%</td>
<td>A</td>
</tr>
<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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<tr>
<td>0-59%</td>
<td>F</td>
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COURSE INFORMATION:

Calculators: You need a scientific calculator to successfully complete this course. However, calculators that perform symbolic calculations (like the TI-89) are strictly prohibited. I recommend a TI-84 for this course.
Homework: Homework will be collected on a random basis. Unless directed otherwise, finish each assignment by the Monday after it is assigned. Do each section of homework separately.

Class work: Sometimes I assign problems that are to be completed in class. If I collect this class work then I 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-1.

Makeup: No one may take tests late or turn in late assignments without an institutional excuse or doctor’s note. If you wish to take a test early, notify me at least one week prior to the regularly scheduled test date.

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 Thursday, July 2, 2015 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.

A Very Tentative Summer Schedule

<table>
<thead>
<tr>
<th>Week Starting Date (Mondays)</th>
<th>Activities</th>
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<tbody>
<tr>
<td>June 15</td>
<td>5.5, 7.1, 7.2, 7.3,7.4,7.5,4.4</td>
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<tr>
<td>June 22</td>
<td>7.8, Test 1,11.1, 11.2,11.3</td>
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<tr>
<td>June 29</td>
<td>11.4, 11.5,11.6,11.7,11.8,11.9,11.10</td>
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<tr>
<td>July 6</td>
<td>Test 2,6.1,6.2,6.3,6.4,6.5</td>
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<tr>
<td>July 13</td>
<td>8.1,8.2,8.3, 10.1, 10.2, 10.3</td>
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<tr>
<td>July 20</td>
<td>Test 3, 10.4, 10.5, Final Exam</td>
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The Final Exam is Thursday, July 23, 2015 from 1-3:25 pm