TEXT:
CALCULUS WITH ANALYTIC GEOMETRY, by Howard Anton, 7th ed. (Wiley)

Student Audience:
Students who take this course are majoring in any discipline in engineering or mathematics, or do mathematics as an intellectual hobby.

Prerequisite:
The prerequisite for Math 122 is Math 121 (Calculus I). Students who pass the placement exam can waive the prerequisite.
(Note: The letter grade for the prerequisite course must be at least a C.)

Course Description:
Math 122 begins with Exponential, Logarithmic, Inverse Trig Functions, L’Hopital’s Rule, and Hyperbolic functions. Then, the text expands on other methods of integration. The other topics in this course are Mathematical Modeling with Differential Equations, Infinite Series, Conic sections (in rectangular and polar coordinate system), and parametric equations.
Certificate or degree: All certificates, A.E.S., A.A.S., A.L.S., A.A., A.S.
Group requirement: Mathematics
Area of concentration: Mathematics

Method of Evaluation:
There will be five exams (each 100 pts.), a comprehensive final exam (200 pts.), and unannounced quizzes (each 10 pts.). The course grade of the student will be based on the average of the student as follows.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 ≤ ave</td>
</tr>
<tr>
<td>B</td>
<td>80 ≤ ave &lt; 90</td>
</tr>
<tr>
<td>C</td>
<td>70 ≤ ave &lt; 80</td>
</tr>
<tr>
<td>D</td>
<td>60 ≤ ave &lt; 70</td>
</tr>
<tr>
<td>F</td>
<td>ave &lt; 60</td>
</tr>
</tbody>
</table>

Office Hours:
10:00 - 10:50 M, T, W, Th, F
Drop-in visits are welcomed.
**Remarks:**

a. Students will need a simple hand calculator.
b. The student solutions manual is available in the bookstore. (Not required.)
c. The successful completion of the course requires doing at least the exercises at the end of each section that I assign.
d. Students with an average of more than 95% at the end of the semester will not have to take the final exam.
e. Attendance will be checked.
f. Students with a grade of F on the first exam should make an appointment with me.
g. Students with a grade of F at the mid-term exam with irregular attendance will be dropped administratively.
h. No make-up quizzes.
i. If a student does not take a test on the scheduled date, I will replace the missing test with half of the score on the final exam.
j. None of the exams will be dropped.
k. The course grade will be based **only** on the quizzes, the one-hour exams, the final exam, and the attendance.
l. Students are fully responsible for knowledge of and compliance with all announcements made in class, whether present or not.
m. I would like for you to have a binding notebook.
n. Attendance is very important. For every 4 days missed the grade will be lowered one letter grade. Being late twice is equivalent to being absent one day.
o. I appreciate any comments or reasonable suggestions throughout the semester.

**TENTATIVE SCHEDULE (Spring 2004):**

I would like to cover one section per day (if possible). The following table is the tentative schedule for the exams and number of days we should spend on each chapter.

<table>
<thead>
<tr>
<th>Ch.</th>
<th># of Sec</th>
<th># of hrs.</th>
<th>Exam</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>8</td>
<td>11</td>
<td>1</td>
<td>1/31</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>12</td>
<td>2</td>
<td>2/24</td>
</tr>
<tr>
<td>9</td>
<td>4</td>
<td>7</td>
<td>3</td>
<td>3/07</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
<td>16</td>
<td>4</td>
<td>4/11</td>
</tr>
<tr>
<td>11</td>
<td>6</td>
<td>11</td>
<td>5</td>
<td>5/02</td>
</tr>
</tbody>
</table>

Final Exam: Will be announced.

*Have a great and enjoyable semester.*
Academic Dishonesty
Each student is expected to be honest in his/her class work or in the submission of information to the College. Richland regards dishonesty in classroom and laboratories, on assignments and examinations, and the submission of false and misleading information to the College as a serious offense. A student who cheats, plagiarizes, or furnishes false, misleading information to the College is subject to disciplinary action up to and including failure of a class or suspension/expulsion from the College.

Non-Discrimination Policy
Richland Community College policy prohibits discrimination on the basis of race, color, religion, sex, marital or parental status, national origin or ancestry, age, mental or physical disability (except where it is a bona fide occupational qualification), sexual orientation, military status, status as a disabled or Vietnam-era veteran.