CLASS SYLLABUS Fall 2008

Course: Math 266 Calculus with Analytic Geometry I
        Section 3337 TTH 4:20-6:50pm, Room: BUNG-6

Instructor: Armond Bakjianian
            Office Hours: MW 3:30-4:20pm; TTh 2:20-4:20pm
            Office: BUNG-D
            Email: bakijaa@lamission.edu


Calculator: Scientific Calculators are required. Graphing Calculator will not be allowed during examination.

Prerequisite: Math 265 or appropriate skill level demonstrated through the MATH assessment process.

Important Dates:
            September 26 Last day to drop without a “W”
            November 21 Last day to drop with a “W”

Course Description: Second course of calculus. Includes differentiation and integration of transcendental functions, polar coordinates, specialized methods of integration, vectors, parametric equations, and infinite series.

Learning Outcomes

1) Evaluate inverse trigonometric integrals
2) Evaluate integrals of hyperbolic functions and their inverses
3) Evaluate integrals using advanced integration techniques: integration by parts, trigonometric substitutions, etc.
4) Evaluate limits having indeterminate forms
5) Evaluate improper integrals
6) Determine convergence or divergence of infinite series using standard tests
7) Derive Maclaurin and Taylor series for certain functions
8) Solve conic-related problems in the rectangular coordinate system
9) Graph equations by rotation of axes
10) Graph equations in polar coordinates
11) Evaluate integrals in polar coordinates
12) Solve conic-related problems in polar coordinates
Homework
Homework will be assigned collected and a subset will be graded. These are due at the beginning of class on the day specified. No late homework will be accepted. Since the exams will closely resemble homework exercises, success in this course strongly depends on diligently completing all assignments in a timely fashion.

Exams
There will be six classroom tests. The lowest score will be dropped. There will be no make-up examinations. Any missed exam will receive a grade of 0. The final exam is accumulative and is not optional but required. Everyone must take the final exam to pass. No exceptions!

Grading:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Tests (5)</td>
<td>60%</td>
</tr>
<tr>
<td>Final</td>
<td>30%</td>
</tr>
</tbody>
</table>

Grading Scale:
Letter grades will be determined by your overall percentage in the course:
- **A** = 88%-100%
- **B** = 78%-87%
- **C** = 65%-77%
- **D** = 55%-64%
- **F** = 0%-54%

Attendance:
Students are expected to attend all class meetings. Unexcused absences may result in excluding students from class. Students themselves are responsible for dropping a class they no longer attend; failure to do so may result in a grade of F.

Class comportment:
All students are expected to arrive on time. Late arrivals are disruptive to both the lecturer and students. Students must turn off cell phones while in class. Students are encouraged to ask questions and make comments on the lecture material. This should be done in a courteous manner by raising one’s hand and being recognized. Side conversations between students that disrupt the flow of the lecture will not be tolerated. It is the student’s responsibility to manage his or her academic workload. Should a student decide to stop attending class it is their responsibility to drop the class. All students appearing on the grade roster will receive a grade regardless of whether they are attending classes or not. Any cheating which includes any unauthorized cooperation on any graded assignment will be dealt with as severely as the College policy allows.