MATH 2072 - CALCULUS II
Summer, 2005

Instructor: Dr. Mark Budden
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URL: www.math.armstrong.edu/faculty/budden
Office Hours: Mondays and Wednesdays: 11:00-1:30
or by appointment.


Calculator: Each student will be expected to have access to a calculator that will plot functions, evaluate “user-defined” functions at specified values, solve equations, and do numerical integration. Students will not be allowed to share calculators with other students during an exam or quiz.

Prerequisite: Math 1161

Description/Purpose of Course: The purpose of Calculus II is to pick up where Calculus I left off. After learning the basics of integration, we now focus on different techniques and applications of integration. Other topics will include differential equations, parametric equations, polar coordinates, sequences, and series.

Homework: A homework assignment will be given each class over the material covered that day. The homework will not be collected, but it is fundamental to your understanding of the subject. There is usually a high correlation between students that do their homework and students that perform well on exams.

Quizzes: There will be 4 in-class quizzes (20 pts. each) during the semester. At the end of the semester, I will drop your lowest quiz grade. The purpose of the dropped grade is to avoid make-up quizzes. No make-up quiz will be given for any reason. I will announce the date of a quiz only one class prior to the quiz.

Projects: To provide you with an introduction to using Maple, there will be two projects that you will be expected to do outside of class. Each project will be worth 25 points.

Exams: There will be 3 in-class exams (100 points each) and one comprehensive final exam (200 points). No make-up exams will be given for any reason. If a student misses an exam for an excused reason, then their final exam will count for 300 points to make up the missing points. A missed exam will be considered excused only if all of the following conditions are met:

1. I am notified of the absence prior to the exam,
2. The excuse is legitimate: illness, death of a family member, etc.
3. I am provided with the proper documentation.

Attendance: Students are expected to attend all classes. If a class is missed, it is the student’s responsibility to find out about missed material. Attendance will be taken for the first two weeks of class so that I can determine who is enrolled. As with homework, there is usually a high correlation between students that attend all classes and students that perform well on exams.

Withdrawal: If a student wishes to withdraw from the course, s/he must come and speak with me. If a student withdraws after late registration and by midterm, they will receive a W. Any student withdrawing after midterm will receive a WF.

ADA Accommodations: Any student who may require special accommodations due to a disability should contact the Office of Disability Services in the Division of Student Affairs and should come and speak with me privately as soon as possible. I will work with the Office of Disability Services to provide accommodations according to their documented needs.

AASU Honor Code: The University’s policies in regards to the Honor Code and Code of Conduct will be upheld in this class (see catalog p.308).

Tutorial: I will be available during my posted office hours or at other times by appointment only. In addition, there are tutorial services available through the Math Tutorial Center in 206 Solms Hall (921-5488).

Other: Towards the end of the semester, students usually inquire about extra credit. No extra credit will be available in this course. If you keep up with your homework and study daily, there will not be any need for additional points.

If you bring a cell phone to class, then it must be turned OFF! Note that vibration mode is not the same as off.

Grade Distribution:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>60</td>
</tr>
<tr>
<td>Projects</td>
<td>50</td>
</tr>
<tr>
<td>Exams</td>
<td>300</td>
</tr>
<tr>
<td>Final</td>
<td>200</td>
</tr>
<tr>
<td>Total</td>
<td>610</td>
</tr>
</tbody>
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Letter Grades will be assigned on a standard 10-point scale (100% – 90% A, 89% – 80% B, 79% – 70% C, 69% – 60% D, 59% – 0% F).