MA2160 Calculus II with Technology
Fall 2008

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Office Phone: 7-2775
Office Hours: MWF 9-10  TR 10-11
Email: dcclark@mtu.edu


Course Objectives:

Students in MA2160 should be able to:
- Work a problem numerically, algebraically, graphically, and verbally (Rule of 4).
- Work with vectors.
- Use techniques of integration.
- Use integrals in applied problems.
- Work with infinite series and interpret simple definite integrals.
- Solve differential equations and use them in applied problems.

Help:

Help is available from many different sources, including:
1. Your instructor during posted office hours or by appointment;
2. The Mathematics Learning Center (MLC) in Fisher 128: walk-in hours or personal appointments;
3. Fellow classmates.

Attendance:

Attendance and participation are crucial to your success in this course. Your instructor will be counting on you to be in class and to be prepared. If you are unable to attend a class due to an illness or personal loss, you should contact your instructor as soon as possible.

Labs:
You must register for weekly labs by Wednesday, September 3.
Go to: http://wiki.mathlab.mtu.edu.
Important Dates:

- Last day to drop with a full refund: Wednesday, September 10
- Drop-date (no grade): Friday, September 19
- Drop with a "W": Friday, October 24

Homework and Quizzes:

- Daily homework assignments will be given, some of which will be collected and graded.
- A number of in-class quizzes will be given during the semester. The dates of these quizzes will be announced in class. The content of the quizzes will be closely related to the assigned homework problems. It is to your advantage, then, to carefully complete each homework problem and ask questions about those you do not fully understand.
  - **NO MAKE-UP HOMEWORK OR QUIZZES WILL BE GIVEN.**

Exams:

Three exams and a comprehensive final exam will be given. Test dates appear on the daily schedule. Please mark the dates on your calendar today! All exams may include both calculator and non-calculator sections. The final is a comprehensive departmental exam, which may also include a calculator and non-calculator section. There will be **NO EARLY OR LATE FINALS.** Do not make plans to leave early at the end of the semester until the final exam schedule has been announced.

Midterm Grades:

During the week of October 6-10, your instructor will be reporting a mid-term grade for all first year students, based on your work completed to that point. The report will be either “Satisfactory” or “Unsatisfactory.” Students who have maintained a grade of C (≥70%) will receive a “Satisfactory” report.

Comments:

- If you did not receive at least C in Calculus I, please consider retaking the course.
- If you miss an exam due to illness, emergency, etc. you must have a doctor’s note or a note from the Dean of Students. Please let your instructor know ASAP if you will be absent.
- You are expected to prepare for class each day. This means that you should read the section being discussed that day, as well as complete all assigned homework problems. **You should expect to spend a minimum of 2 hours outside of class for every one hour of class and lab time.**
- This is NOT a repeat of Calculus I – please do not expect those topics to be retaught.
Grading:

3 One-hour exams  45%
HW and Quizzes    20%
Labs              10%
Final             25%
TOTAL             100%

Scale:

Your final grade will be based on the following scale:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>≥ 90%</td>
<td>A</td>
</tr>
<tr>
<td>85% - 89.9%</td>
<td>AB</td>
</tr>
<tr>
<td>80% - 84.9%</td>
<td>B</td>
</tr>
<tr>
<td>75% - 79.9%</td>
<td>BC</td>
</tr>
<tr>
<td>70% - 74.9%</td>
<td>C</td>
</tr>
<tr>
<td>65% - 69.9%</td>
<td>CD</td>
</tr>
<tr>
<td>60% - 64.9%</td>
<td>D</td>
</tr>
<tr>
<td>&lt; 60%</td>
<td>F</td>
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If you have a disability that could affect your performance in this class or that requires a special accommodation, please see me as soon as possible so that we can make the appropriate arrangements. The Affirmative Action Office has asked that you be made aware of the following:

“MTU complies with all federal and state laws and regulations regarding discrimination, including the ADA Act of 1990. If you have a disability and a need, a reasonable accommodation for equal access to educations or services can be made through the Dean of Students Office (Gloria Melton 487-2212). For concerns regarding discrimination of any kind, please contact your advisor, department head, or affirmative action office.”