

MA2160 Calculus II with Technology: Fall 2008

Instructor	Allan Struthers
Office	Fisher 212
Office Phone	7-3541
Office Hours	M/W/F: 9:00-10:00am & 11:00-11:30am and T/Th: 9:30 -11:00am
Email	struther@mtu.edu
Text	<i>Calculus, Single and Multivariable (4th ed)</i> , Hughes-Hallett, Wiley, 2005
Clicker	i-clicker (used in Physics and elsewhere on campus)

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: Assistance is available from numerous sources, including:

- Instructor during office hours *or* by appointment;
- Teaching Assistant Janelle Doebel (jadoebel@mtu.edu)
 - Office Hours: M-Th 2-3pm in Fisher 324
 - Weekly evening help sessions (see schedule)
 - Additional Hours by appointment;
- The Math Learning Center Fisher 128: walk-in hours and/or appointments;

Classmates..

Attendance: Participation is crucial to success. You should be in class and prepared each day. Contact your instructor if you are unable to attend a class due to illness.

Labs: You must register for weekly labs by Wednesday, September 3.

Go to: <http://wiki.mathlab.mtu.edu>.

Important Dates: From <http://www.admin.mtu.edu/em/services/calendar/>

- 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: Make sure you completely understand all homework.

- Daily HW will be graded and reviewed in class using the iclicker.
- In-class quizzes (similar to HW) will be given regularly using the iclicker.
- Makeup homework and quizzes will not be given.

Exams: Three evening exams (dates on the schedule) and a comprehensive final exam will be given. Mark the dates on your calendar today! Exams (and the comprehensive departmental final) may include calculator and non-calculator sections. The final exam schedule <http://www.admin.mtu.edu/em/students/plan/finalexam.php> is rigid. Do not make plans to leave at the end of the semester until it is updated. Make up days for the evening exams are listed on the schedule.

Midterm Grades: Instructors report mid-term grades (satisfactory/unsatisfactory) for first year students October 6th. Students with a C (or better) receive a satisfactory grade.

Notes: A few important points

- This 2160 sections is using iclickers. The other section is not. The hope is to explore how useful iclickers are in multisection courses.
- Consider retaking Calc I if you did not get at least C.
- Documentation is required (Doctor, Dean of Students, etc.) for missed exams.
- Read the section and complete the homework before each class. You should spend a minimum of 2 hours outside of class for every one hour of class and lab.
- This is NOT a repeat of Calculus I. Those topics will not be retaught.

Grading Formula and Scale:

3 One-hour exams	45%	A: 90% - 100%
HW and Quizzes	20%	B: 80% - 89.9%
Labs	10%	C: 70% - 79.9%
Final	<u>25%</u>	D: 60% - 69.9%
TOTAL	100%	F: 0% - 60.0%

Intermediate cutoffs are at range midpoints. For example, the AB cutoff is 85%.

See me as soon as possible if you have a disability that could affect your performance and requires special arrangements. Affirmative Action 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 adviser, department head, or affirmative action office.”