Instructor Name: Vladimir D. Tonchev

Office: Fisher 309
Office Phone: 7-3360

Office Hours: MWF 11:00-11:55, TR 10:00-10:55.

Email: Tonchev@mtu.edu


Course Objectives:

Students in MA1160 should be able to:
- Evaluate and interpret functions and their inverses when information is presented numerically, algebraically or graphically.
- Describe the concept and application of a derivative.
- Evaluate and interpret derivatives of functions using standard techniques.
- Use derivatives in mathematical modeling and application problems.
- Describe the concept and application of a definite integral.

Course Expectations:

Students in MA1160 are expected to:
- Attend every class, unless excused by the instructor. This also includes attending the lab sessions.
- Prepare for class each day. This means that you should read the section being discussed that day, as well as complete all homework assignments.
- You should expect to spend a minimum of 2 hours outside of class for every one hour of class time.
- Take detailed notes in class, and review these notes as part of your class preparation.
- Have mastered the prerequisite skills for the course.
- Ask questions if something is not clear. This includes asking questions in class, as well as seeing your instructor during office hours.
- Turn in assignments on time, showing neat and logical work.

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.

SEEK HELP BEFORE IT’S TOO LATE!

Attendance:

Attendance and participation are crucial to your success in this course. I 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 me as soon as possible.

Labs:

You must register for required weekly labs by Wednesday, September 6. Go to: www.mathlab.mtu.edu

Basic Skills Test:

The Basic Skills Test is designed to test your knowledge of material from previous math courses. It counts as 10% of your final course grade; you need to score 20 out of 25 to receive full credit. The first exam will be given on Wednesday, September 6 from 6:00-7:00 p.m., location to be announced in class. If you do not pass the exam on the first try, you will have two other opportunities to retake the test. These retakes will be from 6:00-7:00 p.m. on Tuesday, September 6 and Thursday, September 14. Please refer to the attached BST policy for more details.

Dropping a Course:

Last day to drop with a full refund: Wednesday, September 13
Drop-date (no grade): Friday, September 22
Drop with a "W": Friday, October 27

Homework and Quizzes:

Daily homework assignments will be given, some of which will be discussed in class or during office hours. Homework will not be collected or graded.

In-class quizzes will be given. Quizzes will be collected and graded. For each quizz problem, restate the problem, show your analysis, and clearly identify the answer to the question. All of your work must be neat, legible and logical. The problems on the quizzes will be closely related to those on the assigned homework.
NO MAKE-UP HOMEWORK OR QUIZZES WILL BE GIVEN.

Exams:

Two in-class exams, a comprehensive midterm, 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 midterm and the final are comprehensive departmental exams, which may also include a calculator and non-calculator section. The midterm is an evening exam and is scheduled from 6:00 to 7:30 p.m. on Tuesday, October 17th. 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 16-19, 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 ‘S atisfactory” report.

Grading:

Quizzes 15%
2 one-hour exams 20%
Midterm exam 20%
BST 10%
Labs 10%
Final Exam 25%
TOTAL 100%

Scale:

Your final grade will be based on the following scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>≥90%</td>
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<tr>
<td>AB</td>
<td>85% - 89.9%</td>
</tr>
<tr>
<td>B</td>
<td>80% - 84.9%</td>
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<tr>
<td>BC</td>
<td>75% - 79.9%</td>
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<tr>
<td>C</td>
<td>70% - 74.9%</td>
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<tr>
<td>CD</td>
<td>65% - 69.9%</td>
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<tr>
<td>D</td>
<td>60% - 64.9%</td>
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<tr>
<td>F</td>
<td>&lt; 60%</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.”