

Text:	Waner, Costenoble. <i>Applied Calculus for MSU, Custom Edition</i> . Cengage, Boston, MA, 2015.
Calculator:	A <i>graphing</i> calculator is required for this course. In particular, <i>the uniform final exam can be expected to contain questions that require the use of a graphing calculator</i> . Each student bears sole responsibility to develop adequate proficiency with his/her graphing calculator. A TI-84 or TI-84+ is recommended for the course. PLEASE NOTE: <i>Some calculating devices are <u>not</u> appropriate for this course. Any graded exercise completed using one of these prohibited devices will receive an automatic zero (0) score.</i> The use of cell phones, or any other electronic device in the classroom is specifically prohibited. ALL devices which can perform algebraic symbol manipulation ('computer algebra') are prohibited. Currently, the use of <i>at least</i> the following devices on any graded exercise is prohibited: Texas Instruments' models TI-89, TI-Nspire, Voyage 200, TI-92 & TI-92-plus calculators; Hewlett Packard's model HP49G, HP49G+, and HP50G; Casio's algefx2.0 & algefx2.0pls; and all 'handheld', 'palmtop', 'laptop', and 'desktop' computers. If you are uncertain about your calculator, ASK! This is your responsibility!
URL:	Each class has its own page where TA's may post content. To access your class page go to https://www.math.msu.edu/classpages/ , choose "100-Level Courses", then find your section.

Course Goals: In this course we will learn about limits, continuous functions, derivatives, integrals, and their applications. The primary goals of this course are for students to:

1. Gain a substantial understanding about what calculus is and why it is useful.
2. Recognize the appropriate tools of calculus to solve applied problems.
3. Analyze functions using limits, derivatives, and integrals in a variety of different ways (graphically, numerically, analytically and verbally).
4. Understand basic concepts from business and economics and be able to apply the tools of calculus to solve related problems in a context.

Prerequisites: At a minimum, to be successful in this course, you must either have received a score of 15 or higher on the MSU Math Placement Service Exam or an ACT math score of at least 28 or an SAT math score of at least 640 or have completed MTH 103 or 116 (or their equivalents), preferably with a grade of at least 2.0. **If you are uncertain about your preparedness for the material in this course**, you should discuss this issue immediately, either with your instructor or the course supervisor. Please note that, if you do decide that you are misplaced in MTH 124, you must act quickly. (See the schedule below for the various deadlines which affect math course changes.)

Evaluation: Grades in this course are based upon the scores from WeBWorK, labs, two in-class exams, and a uniform final exam. All regular exams will be closed book and will be given during regularly scheduled classes. Similarly, all labs will be done in class and turned in at the end of class that period. Assessment will be distributed according to the following percentages

Assessment	WeBWorK	Labs	Exam 1	Exam 2	Final Exam
Total Percentage	15%	15%	20%	20%	30%

The following grading scale can be used to estimate grades for individual WeBWorK, labs, and exams.

90% – 100%	4.0	65% – 72%	2.0
85% – 89%	3.5	60% – 64%	1.5
79% – 84%	3.0	55% – 59%	1.0
73% – 78%	2.5		

WeBWork: In addition to the textbook the purchase of a WeBWorK subscription is required for the course. WeBWorK has a free trial period for one month after which time those who haven't purchased subscription will be locked out. Subscriptions should be purchased before 9/29/15 for continued access. Instructions to sign up for WeBWorK can be found on the class page.

Labs: Every Friday (or Wednesday for those enrolled in a MW section) an in-class lab will be given. Each lab will be completed in small groups predetermined by your TA and turned in at the end of the class period. The groups will be assigned by the instructor and vary throughout the semester. One lab will be submitted from each group and each member of that group will receive the same grade. All members of a group are expected to contribute and those who fail to do so may lose points.

Missed Lab: *No excuse is accepted or required for your first and/or second missed lab ONLY, and neither of these labs will be included in your final course grade calculation.* Students who complete all labs will automatically have their two lowest scores discarded. No other labs can be discarded without an appropriate excuse which must be approved by the course supervisor.

Regrading: If you have any question regarding the grading of an exam or lab, your paper must be handed back to the instructor for re-grading at the end of the class period during which you received it. *Once a graded paper has left the classroom, no grading changes will be made.*

Attendance: Students are expected to attend all class meetings and are responsible for all of the material covered. Any changes in this syllabus or in the scheduling of exams, labs, etc. will be announced during class meetings. Students who miss a class meeting should copy a classmate's notes for that meeting. Please be aware that according to University Academic Programs, page 83,

"...students may be dropped from a course for non-attendance by a Dean's Drop after the fourth class period or the fifth class day of the semester, whichever occurs first..."

Good attendance is its own reward, since it makes learning the material in the course much easier and more efficient.

There will be no "make-ups" for exams or labs. *A missed exam or lab will receive the score 0. If a valid excuse is presented (in advance if at all possible), the zero grade on the missed exercise will be excused, and your course grade will be calculated from the remaining graded work. Of course, family vacations, commercial travel schedules, a desire for a cheaper air fare, etc. are NOT acceptable excuses for missing scheduled classes.* Students must look at this syllabus carefully and **plan well ahead.**

Review Sessions: The Math Learning Center (MLC) will provide review sessions the Thursday before each exam. Before each exam the MLC will send an e-mail with a practice exam and the details of the review session.

Help: Individuals' questions regarding the course work should be directed to the lecturer, either immediately after class, or during scheduled office hours. In addition, the MLC, located on the first floor of Wells Hall, provides many hours of course-specific help each week (please visit <https://www1.math.msu.edu/mlc/> for more information).

Equipment: The graphing calculator should be brought to every class meeting, and it will be required for the homework, in-class assignments, labs and exams. The textbook will also be needed during most classes. Exams and labs will require only a pencil and **one** appropriate graphing calculator.

Honesty: The University's policy concerning academic integrity is covered in the *Spartan Life* booklet, under General 'Student Regulations'. According to the handbook,

"...no student shall claim or submit the work of another as one's own."

For more information about this and other academic integrity issues, please visit:

<https://www.msu.edu/~ombud/academic-integrity/student-faq.html> .

Detailed Course Schedule(MWF Sections)

Day	Date	Section(s)
W	9/2	1.1 & 1.2
F	9/4	Lab 1
M	9/7	Labor Day - No Class
W	9/9	1.3/2.1
Close of open add period - 9/9		
F	9/11	Lab 2
M	9/14	2.2
W	9/16	2.3
F	9/18	Lab 3
M	9/21	3.1
W	9/23	3.2
F	9/25	Lab 4
M	9/28	3.3
End of the 100% Refund Period - 9/28		
Trial period of WeBWorK ends - 9/29		
W	9/30	3.3
F	10/2	Lab 5
M	10/5	3.4
W	10/7	3.5
F	10/9	Exam 1
	10/12	3.5 & 3.6
W	10/14	3.6
F	10/16	Lab 6
M	10/19	4.1
W	10/21	4.3

Day	Date	Section(s)
Last day to drop course with no grade record - 10/21		
F	10/23	Lab 7
M	10/26	4.4
W	10/28	4.4 & 4.5
F	10/30	Lab 8
M	11/2	4.5
W	11/4	5.1
F	11/6	Lab 9
M	11/9	5.1 & 5.2
W	11/11	5.2
F	11/13	Exam 2
M	11/16	5.3
W	11/18	5.3
F	11/20	Lab 10
M	11/23	6.3
W	11/25	6.3
Thanksgiving Break 11/26 - 11/27		
M	11/30	6.1 & 6.4
W	12/2	6.1 & 6.4
F	12/4	Lab 11
M	12/7	7.2
W	12/9	Review
F	12/11	Review
Last Day of Classes - 12/11		
M	12/14	Final Exam

* FOT is the 'Focus on Theory' section for the current chapter.

A **uniform final exam** will be held on Monday, December 14, 2015, from 10:00am to 12:00 noon. The room locations will be announced in December. **There will be no early final exams.**

Detailed Course Schedule(MW Sections)

Day	Date	Section(s)
W	9/2	1.1, 1.2, & Lab 1
M	9/7	Labor Day - No Class
W	9/9	1.3, 2.1 & Lab 2
	Close of open add period - 9/9	
M	9/14	2.2
W	9/16	2.3 & Lab 3
M	9/21	3.1
W	9/23	3.2 & Lab 4
M	9/28	3.3
	End of the 100% Refund Period - 9/28	
	Trial period of WeBWorK ends - 9/29	
W	9/30	3.3 & Lab 5
M	10/5	3.4
W	10/7	3.5 & Exam 1
M	10/12	3.5 & 3.6
W	10/14	3.6 & Lab 6
M	10/19	4.1
W	10/21	4.3 & Lab 7

Day	Date	Section(s)
Last day to drop course with no grade record - 10/21		
M	10/26	4.4
W	10/28	4.4, 4.5, & Lab 8
M	11/2	4.5
W	11/4	5.1 & Lab 9
M	11/9	5.1 & 5.2
W	11/11	5.2 & Exam 2
M	11/16	5.3
W	11/18	5.3 & Lab 10
M	11/23	6.3
W	11/25	6.3
Thanksgiving Break 11/26 - 11/27		
M	11/30	6.1 & 6.4
W	12/2	6.1, 6.4, & Lab 11
M	12/7	7.2
W	12/9	Review
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