

Calculus I
MTH 132, Section 1 – Spring 2012
MWF 9:10 – 10:00am in C106 Wells Hall
Instructor: Cheryl Balm; Office: A515 Wells Hall
Office hours: M 10:00 – 11:00am and by appointment
Email: balmcher@math.msu.edu
Web Page: <http://math.msu.edu/~balmcher/teaching.aspx>

Textbook: *Thomas's Calculus* (12th Edition) – We will cover chapters 2-5 in this course.

Exams: There will be four 50-minute midterm exams (in class) and a (common) two-hour final exam. You must also take and pass the two Gateway Exams administered by the math department.

Midterm exams: There will be **absolutely no make-up exams**. A missed midterm exam will count as 0 points unless a *valid* reason is presented to the instructor, preferably *prior* to the exam date. Only extreme situations will result in a student being excused from an exam, and such situations DO NOT include vacations, family gatherings, work, or commercial travel.

Midterm exam dates: **Wednesday, February 1; Wednesday, February 29; Wednesday, March 28; and Friday, April 20.**

Final exam: **Tuesday, May 1, 10:00am – noon**, Location: TBA.

Exam rules/content: All exams will be closed-book and **calculators will not be allowed**. Phones, computers, tablets, MP3 players, etc. will not be permitted during exams (or at any other times in class). Each of the midterm exams will cover one chapter from the textbook. The WebWork quizzes are meant to help you prepare for each midterm, but the quiz problems will **not** represent *all* possible problems that you may see on a midterm exam. The final exam will be cumulative.

Grade discrepancies: If you have any questions regarding your grade on an exam, you must discuss the matter with your instructor before leaving the room with the graded exam. *Once the graded exam has left the classroom, no grading changes will be made.*

WebWork: Graded homework and quizzes will be handled electronically through WebWork at <http://www.math.msu.edu/webwork>. There is a WebWork Fee of \$10, but you can use WebWork for free until the fourth class week. After the second week of class, you will be emailed instructions on how to pay the fee. See the WebWork Guidelines page for more information.

WebWork homework: The attached schedule and the class website give **tentative** WebWork assignment due dates. The **official due dates** will always be given on the assignment itself on the WebWork server. There is a two-day *reduced-credit period* for *most* WebWork homework assignments. During this grace period, any problems not correctly answered before the due date may still be solved for 75%-credit. You will receive a “percent-correct” grade for each WebWork homework assignment.

WebWork quizzes: There will be four WebWork quizzes, one corresponding to each of the four midterm exams. Each quiz will consist of five or six problems similar to those in the WebWork homework assignments. You will have a maximum of 50 minutes to complete each quiz. The timer begins when you start the quiz and continues even if you log out of WebWork. It is recommended that you attempt quiz problems *without the use of a calculator*. You can use the “Preview Test” button to view the answers you have entered prior submitting them, but once you have submitted your answers via the “Grade Test” button, you will see your quiz score immediately, along with correct answers to each problem, so you will not be able to change any of your answers. You may re-attempt any quiz after at least four hours have passed since you *finished* a previous attempt, up until the closing time for that particular quiz. Your score for each quiz will be the maximum score earned over all attempts for that quiz.

Gateway Exams: There will be two 50-minute Gateway Exams. Gateway Exams are individualized, computer generated test with no partial credit, which must be taken in A-100 Wells Hall. Bring your MSU ID to the exam. Each student gets multiple opportunities to pass each exam, but may not attempt the exam more than once each day that it is open. To pass the Gateway Exam you must get at least 8/10 on Exam I and 6/10 on Exam II. The Gateway Exam schedule is as follows:

- Exam I: Tues., Jan. 17 – Exam opens
 Mon., Jan. 30 – First attempt deadline
 Mon., Feb. 6 – Exam closes
- Exam II: Tues., Mar. 13 – Exam opens
 Mon., Mar. 26 – First attempt deadline
 Mon., Apr. 2 – Exam closes

See <http://math.msu.edu/CurrentStudents/Gateway/masterschedule.aspx> for a schedule of the times that the Gateway Exams will be open. Note that you must *start* the Gateway Exam 50 minutes before it closes for the day, and there is often a line at the computer lab.

Grading scheme: The course has a total of 700 points. Here is how each component of the course will be weighted:

- Each midterm will count for 90 points.
- Your WebWork grade will count for 100 points. This grade will be the *average* over all WebWork homework assignments and quizzes.
- Each Gateway Exam will count for 20 points – 5 points for attempting the exam at least twice or passing *before* the first attempt deadline and 15 points for passing.
- The final exam will count for 200 points.

If your final point total is in the range below, you are guaranteed the corresponding grade:

Point total	Percent	Grade	Point total	Percent	Grade
630-700	100-90	4.0	490-524	70-74	2.0
595-629	85-89	3.5	455-489	65-69	1.5
560-594	80-84	3.0	420-454	60-64	1.0
525-549	75-79	2.5			

Attendance: Students enrolled in the course are expected to be present for all class meetings. If you miss a class, you are responsible for covering the material before you return to class. You should read the corresponding section(s) of the book and, if possible, get notes from a classmate. You are also responsible for knowing about any changes to the syllabus and/or schedule that may be announced in class.

Math Learning Center: The MLC, located on the first floor of the A-wing of Wells Hall, provides course-specific help. The MLC will be open the following hours beginning Thursday, January 12:

Sunday	5:10 pm – 8:40 pm
Monday – Thursday	11:20 am – 4:00 pm, 6:20 pm – 9:50 pm
Friday	11:20 am – 2:50 pm

See <http://math.msu.edu/CurrentStudents/LearningCenter/Default.aspx> for additional information. There will also be MLC-sponsored exam review sessions on 1/31, 2/28, 3/27, 4/19 and 4/29. You will receive an email before each review session with information on the time and location.

Important Dates for Spring Semester 2012:

Mon., Jan. 9: First day of class.

Fri., Jan. 13: Online open add period ends at 8:00pm

Mon., Jan. 16: MLK Day – no class.

Fri., Jan. 20: Last day for students to go to the Undergraduate Office, A212 Wells Hall, to add, change or drop a math course. Office closes at 4:30pm.

Fri., Feb. 3: Last day to drop a course and receive a full refund.

Wed., Feb. 29: Last day to drop a course with no grade reported.

Mar. 5 – 9: Spring Break – no class.

Fri., Apr. 27: Last day of class.

Tues., May 1: Final exam 10:00am – noon.

Preliminary schedule:

- Week 1 Sat. 1/14 WebWork HW 1 due at 5pm (tutorial, 2.1, 2.2)
- Week 2 Mon. 1/16 No class – Martin Luther King Day
WebWork HW 1 grace period ends at 5pm
Tues. 1/17 Gateway Exam I begins
Sat. 1/21 WebWork HW 2 due at 5pm (2.3, 2.4)
- Week 3 Mon. 1/23 WebWork HW 2 grace period ends at 5pm
Wed. 1/25 Start Ch. 2 review (p. 97): # 3, 7, 8, 9-23 odd, 29, 37, 39, 41, 47, 48.
Thur. 1/26 WebWork Quiz 1 opens at 6am (Ch. 2)
Sat. 1/28 WebWork HW 3 due at 5pm (2.5, 2.6)
- Week 4 Mon. 1/30 Ch. 2 review due
Gateway Exam I first attempt deadline
WebWork HW 3 grace period ends at 5pm
Tues. 1/31 WebWork Quiz 1 closes at 5pm
MLC Exam 1 Review Session
Wed. 2/1 Exam 1 (Ch. 2)
Sat. 2/04 WebWork HW 4 due at 5pm (3.1)
- Week 5 Mon. 2/06 WebWork HW 4 grace period ends at 5pm
Gateway Exam I closes
Sat. 2/11 WebWork HW 5 due at 5pm (3.2-3.4)
- Week 6 Mon. 2/13 WebWork HW 5 grace period ends at 5pm
Sat. 2/18 WebWork HW 6 due at 5pm (3.5, 3.6)
- Week 7 Mon. 2/20 WebWork HW 6 grace period ends at 5pm
Wed. 2/22 Start Ch. 3 review (p. 176): # 5-13 odd, 17, 19, 23, 29-39 odd, 43, 47, 49,
51, 53, 57, 61, 63, 64, 67, 69, 71, 83, 87, 89, 91, 95, 97,
103, 105, 107, 111, 113, 117, 119, 121.
Thur. 2/23 WebWork Quiz 2 opens at 6am (Ch. 3)
Sat. 2/25 WebWork HW 7 due at 5pm (3.7-3.9)
- Week 8 Mon. 2/27 Ch.3 review due
WebWork HW 7 grace period ends at 5pm
Tues. 2/28 WebWork Quiz 2 closes at 5pm
MLC Exam 2 Review Session
Wed. 2/29 Exam 2 (Ch. 3)
3/5 – 3/9 Spring break
- Week 9 Tues 3/13 Gateway Exam II begins
WebWork HW 8 due at 5pm (4.1, 4.2) *No grace period.*
Sat. 3/17 WebWork HW 9 due at 5pm (4.3, 4.4)
- Week 10 Mon. 3/19 WebWork HW 9 grace period ends at 5pm
Wed. 3/21 Start Ch. 4 review (p. 240): # 1, 3, 6, 7, 12, 14, 16, 17, 21, 23, 27-37 odd,
43-55 odd, 61, 62, 63-75 odd, 79, 80, 81.
Thur. 3/22 WebWork Quiz 3 opens at 6am (Ch. 4)
Sat. 3/24 WebWork HW 10 due at 5pm (4.5-4.7)

Week 11 Mon. 3/26 Ch.4 review due
 WebWork HW 10 grace period ends at 5pm
 Gateway Exam II first attempt deadline
 Tues. 3/27 WebWork Quiz 3 closes at 5pm
 MLC Exam 3 Review Session
 Wed. 3/28 Exam 3 (Ch. 4)
 Sat 3/31 WebWork HW 11 due at 5pm (5.1)

Week 12 Mon. 4/02 WebWork HW 11 grace period ends at 5pm
 Gateway Exam II closes
 Sat. 4/07 WebWork HW 12 due at 5pm (5.2, 5.3)

Week 13 Mon. 4/09 WebWork HW 12 grace period ends at 5pm
 Sat. 4/14 WebWork Quiz 4 opens at 6am (Ch. 5)
 WebWork HW 13 due at 5pm (5.4, 5.5)

Week 14 Mon. 4/16 WebWork HW 13 grace period ends at 5pm
 Start Ch. 5 review (p. 301): # 2, 5, 7, 9, 10, 11, 13, 15, 19-31 odd,
 37-69 odd, 77, 78, 79, 81.
 Wed. 4/18 Ch. 5 review due
 WebWork HW 14 due at 5pm (5.6) *No grace period.*
 Thur. 4/19 WebWork Quiz 4 closes at 5pm
 MLC Exam 4 Review Session
 Fri. 4/20 Exam 4 (Ch. 5)

Week 15 Review for Final Exam.

Week 16 Sun. 4/29 MLC Final Exam Review Session
 Tues. 5/01 Final Exam (cumulative)