

Math 132, Section 011
Fall 2012

Lecture:

MTH 132, Section 011
Location: A232 WH
Schedule: days: M W F, time: 10:20 - 11:10

Instructor:

(Prof.) George Pappas,
Office: D-306WH,
Office hours: M 1-2pm, F 1-2pm and by appointment,
email: pappas@math.msu.edu

Textbook: S.L. Salas, E. Hille, G.J. Etgen, Calculus, 10th ed., Wiley, 2007.

Coverage: Sections 2.1-2.6, 3.1-3.7, 4.1-4.12, 5.1-5.9, 6.1, 12.1.

For a detailed schedule see below and:

<http://math.msu.edu/syllabi/mth132/schedule-w-fall.html>

Important dates for Fall 2012:

Wednesday 08/29: Classes Begin.

Monday 09/03: Labor Day University closed.

Wednesday 09/05: Online open add period for fall semester ends at 8pm.

Thursday 09/06 to Wednesday 09/12: Students go to Undergraduate office, C212 Wells Hall for Mathematics enrollment changes. (Late adds, drop to lower course, section changes)

Wednesday 09/12: Last day to late add a course or change sections within a course. Last day to drop to a lower level course.

Monday 09/24: End of 100% Tuition Refund

Wednesday 10/17: Middle of Semester. Last day to drop a course without a grade being reported.

Thursday 11/22: to Friday 11/23: Thanksgiving Break.

Friday 12/7: Last day of classes.

Exams:

There will be four 50-minutes exams; see the Schedule for the dates. **No notes, no books, no calculators, no phones, no tablets, no computers will be allowed in the exams.** Students are expected to take all exams and there are **no make-ups**. There is also a common final exam and the “gateway exams” (see below for those).

Common Final Exam: Monday, December 10, 10:00 am-12:00 pm.

All students are required to take the Common Final Exam. The university has strict requirements for exceptions.

Homework and Quizzes (via WeBWork):

WeBWork Log-in and Fees: Graded homework will be handled electronically through a WeBWork server in the Mathematics Department:

<http://www.math.msu.edu/webwork>

Students should choose their course and log in using the following information:

Userid: Student MSUNet ID. (What comes before @ in your MSU email address.)

Password: Student PID. (Of the form A*****, include the A.)

Students should change their password the first time they log in. There is a Textbook + WeBWork Fee of \$80, although WeBWork can be used for free until the fourth class week. The Textbook + WeBWork is handled by Wiley Editorial. Instructors and TAs will not handle any payments.

WeBWork Homework: Completing the assigned homework is vital to your understanding of the subject material. You should make every effort to complete the homework assignments and seek help with problems you have not been able to solve. WeBWork problems are similar to the problems in the class textbook. It is important that students do the first WeBWork assignment, Learning WeBWork Tutorial, where the students learn how to enter answers, handle mathematical symbols, simplify complicated expressions in WeBWork. This assignment counts toward your total WeBWork grade.

Check the Schedule for tentative WeBWork assignments due dates; note however that the most up-to-date due date will always be given on the assignment itself on the WeBWork server. Prior to the due date students can try multiple times to solve each WeBWork problem, getting immediate feedback as to whether the answer is correct or incorrect. See each homework set for the maximum number of attempts allowed. Note that clicking on the [Submit Answers] button at the bottom of a problem counts as an attempt, so make sure you first click on the [Preview Answers] button to check whether you have entered your answer in the way that you intended. Answers to WeBWork assignments are available shortly after the due dates.

There is a three-day reduced credit period for most WeBWork assignments. If you get a part of a problem correct before the beginning of the reduced credit period, you will receive 100% of the partial credit allowed for that part of the problem. Otherwise, getting that same part of the problem correct in the reduced credit period will only earn you 75% of the partial credit allowed for that part of the problem. Note that once you have earned partial or full credit for a problem you will never lose that credit, even if you accidentally change an answer which has already been marked correct to an incorrect answer at a later time. Homework sets due before Midterm Exams may not have a reduced credit period.

You will receive four WeBWork assignment grades, each of which is the percentage of points earned on the WeBWork assignments leading up to each midterm exam (including the assignment Learning WeBWork Tutorial prior to the first midterm exam). The average over all four WeBWork assignment grades and WeBWork quiz grades (see below) is your WeBWork grade.

WeBWorK Quizzes: There are four WeBWorK Quizzes given in the days before to and as preparation for each of the four midterm exams. Note that the quizzes open at the bottom of your list of homework assignments. Each quiz consists of five or six problems similar to those in the WeBWorK Homeworks. You will have a maximum of 50 minutes to do each quiz. The timer begins when you start the quiz and continues even if you log out of WeBWorK. You will be given only one chance to submit your answers to a given quiz. Make sure you use the Preview Test button to view what you have entered in the answer blank prior submitting your answers. After you have submitted your answers via the Grade Test button, you will see your quiz score immediately, along with correct answers to each problem. After completing a given quiz, you may try again after four hours have passed, up until the closing time for this particular set of quizzes. Your final score for a given set of quizzes will be the maximum score earned on all attempts. Note that all questions may change on every attempt of the quiz, so you must still correctly answer all questions on the new quiz in order to get 100% credit on the new version of the quiz. Note: Quiz problems are generated from a pool of WeBWorK questions, so you are encouraged to take the quiz as many times as possible (even if you've already earned a grade of 100% for that quiz) in order to see a wide variety of different problems and better review for the upcoming midterm exam. Note: The quiz problems need not represent all possible problems that you may see on a midterm exam.

WeBWorK Grade: The average of all four WeBWorK assignments and WeBWorK Quizzes is your WeBWorK grade.

Gateway Exams:

There will be two 50-minute Gateway Exams, taken in C-100 Wells Hall. See the Schedule for the dates. Bring your MSU ID to the exam. Gateway Exams are individualized, computer generated, no partial credit tests, with a near perfect score required for passing. Each student gets multiple opportunities to pass each exam. See the MSU Gateway page for further information:

<http://math.msu.edu/CurrentStudents/Gateway/Default.aspx>

Gateway exams are computer graded. Only passing exams have a grade. Each Gateway Exam is worth a total of 1 point for passing, 0 for not passing.

Attendance:

Students are expected to attend all class meetings and are responsible for all of the material covered in class and in the homework. Any changes in this syllabus or in the scheduling of exams, quizzes, etc. will be announced during class meetings.

Course Grading:

Your course grade will be based on the maximum score of the following two decompositions:

5% Gateway Exams	5% Gateway Exams
13% WeBWorK Grade	13% WeBWorK Grade
52% For 4 midterms (13% each)	39% Best 3 of 4 midterms (13% each)
30% Final Exam,	43% Final Exam

In addition, you must take the final examination in order to pass the course. **Since there are no makeup exams, if you miss a midterm exam for any reason, your grade will be based on option 2.**

The following scale gives the standard scheme for assigning final grades:

$[100, 90]=4.0$, $(90, 85]=3.5$, $(85, 80]=3.0$, $(80, 75]=2.5$, $(75, 70]=2.0$,
 $(70, 65]=1.5$, $(65, 60]=1.0$, Below 60=0.0

This scale may be curved to be more lenient, depending on the final grade distribution. However, such a curve is at the sole discretion of the instructor.

Academic Dishonesty:

Academic dishonesty is considered a serious offense at MSU. Students caught cheating may face failure in the course and an administrative sanction which may include suspension or expulsion from the university. See the MSU Academic Integrity Policies.

<https://www.msu.edu/ombud/academic-integrity/index.html>

Help:

One of the best ways to get (free) help is at the **Mathematics Learning Center (MLC)** which is staffed by TA's. See their web page

<http://www.mth.msu.edu/CurrentStudents/LearningCenter/Default.aspx>

for hours, locations (mostly in Wells Hall but also in some dorms) and other information.

MTH 132, Fall 2012 Schedule

(Including WeBWork Homeworks and Quizzes, Exams, and Gateway Exams.)

This (with some additional information) can also be found at

<http://math.msu.edu/syllabi/mth132/schedule-w-fall.html>

This schedule is tentative and subject to changes which can be announced in class. Review Lecture Problems can be found in the textbook. **Below “W” often stands for “WeBWork”.**

Week 01

08/29 Lecture 2.1.

08/31 Lecture 2.3.

Week 02

09/03 No class. Labor Day. University Closed.

09/04 W-Learning-Tutorial, W-2.1, W-2.3, 100% credit ends 2am Tue 09/04.

09/04 Gateway Exam I begins, room C-100 WH.

09/05 Lecture 2.2.

09/07 W-Learning-Tutorial, W-2.1, W-2.3, 75% credit ends 2am Fri 09/07.

09/07 Lecture 2.4.

Week 03

09/10 Lecture 2.5.

09/11 W-2.2, W-2.4, 100% credit ends 2am on Tue 09/11.

09/12 Lecture 2.6, 3.1.

09/13 W-Quiz 1 opens 6:00 am on Thu 09/13. Covers Sections 2.1-2.6, 3.1.

09/14 W-2.2, W-2.4, 75% credit ends 2am on Fri 09/14.

09/14 Lecture 3.1.

Week 04

09/17 Lecture: Review Exam 1.

09/17 Gateway Exam I first attempt deadline, room C-100 WH.

09/18 W-2.5, 2.6, 3.1, 100% credit ends 6pm Tue 09/18. No 75% credit.

09/18 W-Quiz 1 closes 6:00 pm on Tue 09/18.

09/18 MLC Review Exam 1, 7 - 9pm in B-115 WH.

09/19 Exam 1: Covers Sections 2.1-2.6, 3.1.

09/21 Lecture 3.2.

Week 05

09/24 Lecture 3.3, 3.4. Last day to drop class with 100% refund.

09/24 Gateway Exam I deadline, room C-100 WH.

09/25 W-3.2, 100% credit ends 2:00 am on Tue 09/25.

09/26 Lecture 3.5.

09/28 W-3.2, 75% credit ends 2:00 am on Fri 09/28.

09/28 Lecture 3.5, 3.6.

Week 06

- 10/01 Lecture 3.7.
- 10/02 W-3.3, W-3.4, W-3.5, 100% credit ends 2am on Tue 10/02.
- 10/03 Lecture 4.10.
- 10/05 W-3.3, W-3.4, W-3.5, 75% credit ends 2am on Fri 10/05.
- 10/05 Lecture 4.10, 4.1.

Week 07

- 10/08 Lecture 4.1, 4.2.
- 10/09 W-3.6, W-3.7, W-4.10, 100% credit ends 2am on Tue 10/09.
- 10/10 Lecture 4.3.
- 10/11 W-Quiz 2 opens 6:00 am on Thu 10/11. Covers Sections 3.2-3.7, 4.1-4.4, 4.10.
- 10/12 W-3.6, W-3.7, W-4.10, 75% credit ends 2am on Fri 10/12.
- 10/12 Lecture 4.4.

Week 08

- 10/15 Lecture: Review Exam 2.
- 10/16 Gateway Exam II begins, room C-100 WH.
- 10/16 W-4.1, 4.2, 4.3, 4.4, 100% credit ends 6pm Tue 10/16. No 75% credit.
- 10/16 W-Quiz 2 closes 6 pm on Tue 10/16.
- 10/16 MLC Review Exam 2, 7-9 pm in B-115 WH.
- 10/17 Exam 2:** Covers Sections 3.2-3.7, 4.1-4.4, 4.10.
- 10/17 Last day to drop with no grade reported. Middle Semester.
- 10/19 Lecture 4.5.

Week 09

- 10/22 Lecture 4.5, 4.6.
- 10/23 W-4.5, 100% credit ends 2:00 am on Tue 10/23.
- 10/24 Lecture 4.7. Emphasize infinite limits and asymptotes; oblique asymptotes: Problem 48, page 201.
- 10/26 W-4.5, 75% credit ends 2:00 am on Fri 10/26.
- 10/26 Lecture 4.8.

Week 10

- 10/29 Lecture 4.9.
- 10/29 Gateway Exam II first attempt deadline, room C-100 WH.
- 10/30 W-4.6, W-4.7, W-4.8, 100% credit ends 2:00 am on Tue 10/30.
- 10/31 Lecture 4.11. Supplement on Linearization.
- 11/02 W-4.6, W-4.7, W-4.8, 75% credit ends 2:00 am on Fri 11/02.
- 11/02 Lecture 4.12, 12.1.

Week 11

- 11/05 Lecture 5.1, 5.2. (in 5.2 read to top of page 243.)
- 11/05 Gateway Exam II deadline, room C-100 WH. Hours
- 11/06 W-4.9, W-4.11, W-4.12, W-12.1, 100% credit ends 2:00 am Tue 11/06.
- 11/07 Lecture 5.2. Read pages 243-245.

11/08 W-Quiz 3 opens 6:00 am on Thu 11/08. Covers Sections 4.5-4.9, 4.11, 4.11-Supp., 4.12, 12.1, 5.1, 5.2.

11/09 W-4.9, W-4.11, W-4.12, W-12.1, 75% credit ends 2:00 am on Fri 11/09.

11/09 Lecture 5.3, 5.4.

Week 12

11/12 Lecture: Review Exam 3.

11/13 W-5.1, W-5.2, 100% credit ends 6:00 pm Tue 11/13. No 75% credit.

11/13 W-Quiz 3 closes 6:00 pm on Tue 11/13.

11/13 MLC Review Exam 3, 7:00 - 9:00 pm in B-115 WH.

11/14 Exam 3: Covers Sections 4.5-4.9, 4.11, 4.11-Supp., 4.12, 12.1, 5.1, 5.2.

11/16 Lecture 5.4, 5.5-part-1.

Week 13

11/19 Lecture 5.5-part-2, 6.1.

11/21 W-5.3, W-5.4, W-5.5-part-1, 100% credit ends 2:00 am on Wed 11/21.

11/21 Lecture 5.6, 5.7. Read Supplement on IVP.

11/23 No Class. Thanksgiving. University closed.

11/24 W-5.3, W-5.4, W-5.5-part-1, 75% credit ends 2:00 am on Sat 11/24.

Week 14

11/26 Lecture 5.7. Read Supplemental Material.

11/27 W-5.5-part-2, 6.1, 5.6, 100% credit ends 2:00 am Tue 11/27.

11/28 Lecture 5.8, 5.9. (Through Page 286.)

11/29 W-Quiz 4 opens 6:00 am on Thu 11/29. Covers Sections 5.3-5.9, 6.1.

11/30 W-5.5-part-2, 6.1, 5.6, 75% credit ends 2:00 am Fri 11/30.

11/30 Lecture: Review Final Exam.

Week 15

12/03 Lecture: Review Exam 4.

12/04 W-5.7, W-5.8, W-5.9, 100% credit ends 6pm Tue 12/04. No 75% credit period.

12/04 W-Quiz 4 closes 6:00 pm on Tue 12/04.

12/04 MLC Review Exam 4, 7:00 - 9:00 pm in B-115 WH.

12/05 Exam 4: Covers Sections 5.3-5.9, 6.1.

12/07 Lecture: Review Final Exam.

Week 16

12/09 MLC Review Final Exam, 11:00 am - 1:00 pm in B-115 WH.

12/10 Final Exam, 10:00 am - 12:00 pm: Cumulative, covering all sections.