

**Math 132, Section 008**  
**Spring 2013**

**Lecture:**

MTH 132, Section 008  
Location: A116 WH  
Schedule: days: M W F, time: 11:30 - 12:20

**Instructor:**

(Prof.) Effie Kalfagianni,  
Office: D-323WH,  
Office hours: M 1-2pm, F 1-2pm and by appointment.  
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**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/syllabus-spring.html>

**Important dates for Spring 2013:**

Monday 01/07: Classes Begin.

Friday 1/11/13 Online open add period for Spring semester ends at 8pm. Last day to change to CR/NC or visitor at Registrars Office by 5pm. students planning on graduating for Spring or Summer of 2013 should apply by this date. (reg.msu.edu).

Monday 1/21/13 Martin Luther King, Jr. Day. No classes. The University is open.

Monday 1/14/13 to Friday 1/18/13 Students go to Undergraduate office, C212 Wells Hall for Mathematics enrollment changes. (late adds, drop to lower course, section changes)

Friday 1/18/13 Last day to late add a course or change sections within a course. Last day to drop to a lower level course.

Friday 2/01/13 End of Tuition Refund

Wednesday 2/27/13 Middle of Semester. Last day to drop a course with no grade reported.

Monday 3/04/13 to Friday 03/08/13 Spring Break no classes. The University is open.

Friday 4/26/13 Last day of classes.

**Exams:**

There will be three 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: Tuesday, April 30, 10:00 am-12:00 pm.

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

### **Quizzes::**

There will be some short in class quizzes, in weeks 2-14 inclusive, without exams. The instructor will notify students the precise dates, time length, and content of the quizzes. No notes, no books, no calculators, no phones, no tablets, no computers will be allowed in the exams. The lowest quiz score will be dropped, and the average of the remaining quizzes will count the same as one midterm exam. See details below, in Course Grading.

### **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://www1.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.)

WeBWork and Textbook are purchased together.: Payment is handled by Wiley Editorial. A link to buy textbook+WeBWork can be found in the WeBWork link above. Instructors and TAs will NOT handle any payments. There are two options:

- Ebook + WeBWork, with fee of \$80.
- Soft-Cover-Hardcopy-textbook + WeBWork, with fee of \$138.21.

More detailed information can be found at

[http://www.math.msu.edu/webwork/Payments/132\\_payment\\_info.htm](http://www.math.msu.edu/webwork/Payments/132_payment_info.htm)

**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 assignment 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 two-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.

The grade of each WeBWorK assignment is the percentage of correct problems in the assignment.

### **WeBWorK Quizzes:**

There are three WeBWorK Quizzes given in the days before and as preparation for each of the three midterm exams and the material after the third exam that enters in the final exam. 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. The grade of each WeBWorK Quiz is the percentage computed with the maximum score earned in the Quiz.

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/masterschedule.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
13% Qz-Average (lowest dropped)	13% Qz-Average (lowest dropped)
39% For 3 midterms (13% each)	26% 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, 70]=2.5, (70, 60]=2.0,  
(60, 55 ]=1.5, (55, 50]=1.0, Below 50=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

<https://www1.math.msu.edu/mlc/>

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

## MTH 132, Spring 2013 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-spring.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 “Hw” often stands for “WeBWork”.**

### Week 01

01/07 Lecture 2.1.

01/09 Lecture 2.3.

01/11 Lecture 2.5.

### Week 02

01/14 Lecture 2.2.

01/14 Gateway Exam I begins, room C-100 WH. Hours

01/15 Hw1-Tutorial, Hw2-2.1, Hw3-2.3, Hw4-2.5, 100% credit ends 2:00 am on 01/15.

01/16 Lecture 2.4.

01/17 Hw1-Tutorial, Hw2-2.1, Hw3-2.3, Hw4-2.5, 75% credit ends 2:00 am on 01/17.

01/18 Lecture 2.6.

### Week 03

01/21 No class. Martin Luther King Day. University Open.

01/22 Hw5-2.2, Hw6-2.4, 100% credit ends 2:00 am on Tue 01/22.

01/23 Lecture 3.1.

01/24 Hw5-2.2, Hw6-2.4, 75% credit ends 2:00 am on Thu 01/24.

01/25 Lecture 3.1, 3.2.

### Week 04

01/28 Lecture 3.3, 3.4.

01/29 Hw7-2.6, Hw8-3.1, Hw9-3.2, 100% credit ends 2:00 am on Tue 01/29.

01/30 Lecture 3.5.

01/31 Hw7-2.6, Hw8-3.1, Hw9-3.2, 75% credit ends 2:00 am on Thu 01/31.

02/01 Lecture 3.6. Last day to drop class with 100% refund.

02/02 WeBWorK Quiz Problems open 6:00 am on Sat 02/02: Sections 2.1-2.6, 3.1-3.7.

### Week 05

02/04 Lecture 3.7.

02/04 Gateway Exam I first attempt deadline, room C-100 WH.

02/05 Hw10-3.3, Hw11-3.4, Hw12-3.5, Hw13-3.6, 100% credit ends 2:00 am on 02/05.

02/06 Lecture: Review Exam 1.

02/07 Hw10-3.3, Hw11-3.4, Hw12-3.5, Hw13-3.6, 75% credit ends 2:00 am on Thu 02/07.

02/07 Hw14-3.7, 100% credit ends 7:00 pm on Thu 02/07. No 75% credit.

02/07 WeBWorK Quiz Problems close 7:00 pm on Thu 02/07.

02/07 MLC Review Exam 1, 7:30 - 9:30 pm in TBA.

02/08 Exam 1: Covers Sections 2.1-2.6, 3.1-3.7.

#### Week 06

02/11 Lecture 4.10.

02/11 Gateway Exam I deadline, room C-100 WH.

02/13 Lecture 4.1, 4.2.

02/15 Lecture 4.3, 4.4.

#### Week 07

02/18 Lecture 4.5.

02/19 Hw15-4.10, Hw16-4.1, Hw17-4.2, Hw18-4.3, 100% credit ends 2:00 am on 02/19.

02/20 Lecture 4.5, 4.6.

02/21 Hw15-4.10, Hw16-4.1, Hw17-4.2, Hw18-4.3, 75% credit ends 2:00 am on 02/21.

02/22 Lecture 4.7, 4.8.

#### Week 08

02/25 Lecture 4.8.

02/26 Hw19-4.4, Hw20-4.5, Hw21-4.6, Hw22-4.7, 100% credit ends 2:00 am on 02/26.

02/27 Lecture 4.9.

02/27 Last day to drop with no grade reported. Middle Semester.

02/28 Hw19-4.4, Hw20-4.5, Hw21-4.6, Hw22-4.7, 75% credit ends 2:00 am on 02/28.

03/01 Lecture 4.11.

#### **Spring Break 03/04, 03/06, 03/08**

03/09 WeBWorK Quiz Problems open 6:00 am on Sat 03/09:Sections 4.1-4.11, 4.11-Supp, 4.12.

#### Week 09

03/11 Lecture 4.12.

03/11 Gateway Exam II begins, room C-100 WH.

03/12 Hw23-4.8, Hw24-4.9, Hw25-4.11, 100% credit ends 2:00 am on Tue 03/12.

03/13 Lecture: Review Exam 2.

03/14 Hw23-4.8, Hw24-4.9, Hw25-4.11, 75% credit ends 2:00 am Thu 03/14.

03/14 Hw26-4.12, 100% credit ends 7:00 pm on Thu 03/14. No 75% credit.

03/14 WeBWorK Quiz Problems close 7:00 pm on Thu 03/14.

03/14 MLC Review Exam 2, 7:30 - 9:30 pm, in TBA.

03/15 Exam 2: Covers Sections 4.1-4.11, 4.11-Supp, 4.12.

#### Week 10

3/18 Lecture 5.1, 12.1.

03/20 Lecture 5.2.

03/22 Lecture 5.2.

#### Week 11

03/25 Lecture 5.3.

03/26 Hw27-5.1, Hw28-12.1, Hw29-5.2, 100% credit ends 2:00 am Tue 03/26.

03/27 Lecture 5.8.

03/28 Hw27-5.1, Hw28-12.1, Hw29-5.2, 75% credit ends 2:00 am on Thu 03/28.

03/29 Lecture 5.4, 5.5.

#### Week 12

04/01 Lecture 5.5.

04/01 Gateway Exam II first attempt deadline, room C-100 WH.

04/02 Hw30-5.3, Hw31-5.8, Hw32-5.4, 100% credit ends 2:00 am on Tue 04/02.

04/03 Lecture 6.1.

04/04 Hw30-5.3, Hw31-5.8, Hw32-5.4, 75% credit ends 2:00 am on Thu 04/04.

04/05 Lecture 5.6. Read Supplement on IVP.

#### Week 13

04/08 Lecture 5.7. Read Supplemental Material.

04/08 Gateway Exam II deadline, room C-100 WH. Hours

04/09 Hw33-5.5, Hw34-6.1, Hw35-5.6, 100% credit ends 2:00 am on Tue 04/09.

04/10 Lecture 5.7.

04/11 Hw33-5.5, Hw34-6.1, Hw35-5.6, 75% credit ends 2:00 am Thu 04/11.

04/12 Lecture 5.9.

04/13 WeBWorK Quiz Problems open 6:00 am on 04/13: Sections 12.1, 5.1-5.9, 6.1.

#### Week 14

04/15 Lecture: Review Exam 3.

04/16 Hw36-5.7, Hw37-5.9, 100% credit ends 2:00 am Tue 04/16.

04/17 Lecture: Review Exam 3.

04/18 Hw36-5.7, Hw37-5.9, 75% credit ends 2:00 am Thu 04/18.

04/18 WeBWorK Quiz Problems close 7:00 pm on Thu 04/18.

04/18 MLC Review Exam 3, 7:30 - 9:30 pm, in TBA.

04/19 Exam 3: Covers Sections 12.1, 5.1-5.9, 6.1.

#### Week 15

04/22 Lecture: Catching up/Review Final Exam

04/24 Lecture: Catching up/Review Final Exam.

04/26 Lecture: Catching up/ Review Final Exam.

#### Week 16

04/28 MLC Review Final Exam, 11:00 am - 1:00 pm in TBA.

04/30 Final Exam, 10 am - 12 pm: Cumulative, covering all sections.