

Math 236 Calculus II Syllabus and Policy (Fall 2014)

Class Times and Location

Section 0003: Mon-Wed-Fri 1:25- 2:15 p.m. and Thurs 12:30-1:45.

Section 0004: Mon-Wed-Fri 2:30- 3:20 p.m. and Thurs 2:00-3:15.

Room: Burruss 0033

About the Class

This is a second university class in Calculus. We will study integration techniques for functions of one variable, sequences and infinite series of numbers, sequences of functions and power series. The treatment will include theory as well as applications. Prerequisite is a grade C or better on Math 235 or Math 232.

Course Goals

- Mastering integration techniques and real- world applications (Chapters 5 and 6).
- Understanding sequences and series of numbers: definition, convergence, evaluation, and applications (Chapter 7).
- Understanding Series of functions, power series, Taylor and Maclaurin series: definitions, convergence, continuity, differentiation, integration, and some applications (Chapter 8).

Instructor

Hala Al Hajj Shehadeh

Office: 118 Roop Hall

Office phone: 540 568 3807

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Office Hours

Mon: 12:00-12:50 p.m. Wed and Thurs: 3:30-4:20 p.m.

Course Webpage

Is both on Canvas and on **my website** (<http://educ.jmu.edu/~alhajjhy/>). Syllabus, **Homework assignments**, announcements will all be found there.

Course Text

Calculus by Laura Taalman and Peter Kohn. (W.H. Freeman and Company, New York 2014). We will cover Chapters 5 through 8.

Grading Policy

Homework assignments and quizzes: 35%

In-class Midterm Exam: 30%

Final Exam: 35%

Please let me know in the first two weeks of classes about any documented condition that requires extra time to complete the exams.

Exam Schedule

There is a quiz on each chapter (the exact day of each quiz will be announced 3 days ahead). **There is no makeup for the quizzes.**

In-class Midterm Exam: **Thurs, Oct 9 2014.**

In-class Final Exam:

Section 0003: Wed, Dec 10 2014 from 10:30 a.m. till 12:30 p.m.

Section 0004: Wed, Dec 10 2014 from 1:00 p.m till 3:00 p.m.

You **cannot** reschedule an exam. A makeup exam is possible only due to an (extreme) emergency situation.

H.w. Assignments

There will be weekly H.w. assignments.

The **H.w. will be assigned on Thurs of each week and collected the next Thurs in class or on my office door.**

Late H.w. will not be accepted.

You are allowed and encouraged to work in groups, but each of you should write down and submit a separate copy.

The H.w. should be written **very neatly** and very carefully.

We will check the following:

- 1) completeness of the H.w.
- 2) which problems gave the most trouble.
- 3) Only selected problems will be graded very carefully. This means that sometimes you will get the graded problem wrong, and lose a lot of points for that assignment, but that also means you can get it right while getting other problems wrong, and you will lose no points for that assignment. So it usually balances out. You get half of the total points only for completing all the problems, and the other half is for the selected graded problem.

Honor code

Remember that JMU has a strict [honor code](#). While you are strongly encouraged to work with others in this class, the work you submit must be your own. Copying someone else's work won't help you learn the material and might just get you expelled.

Nature of the Course Content(directly from the course catalog)

MATH 235*-236. Calculus I-II.4 credits each semester. Offered fall and spring. Differential and integral calculus of functions of one variable. Sequences and infinite series. Prerequisite for MATH 235: Sufficient score on the Mathematics Placement Exam. Prerequisite for MATH 236: MATH 232 or MATH 235 with grade of "C" or better. MATH 235 is not open to students who have already earned credit in MATH 232.

Material Covered

The plan is to cover chapters 5, 6, 7 and 8 in the textbook. (Total of 21 sections in 14 weeks.) **Expect to have group work in class, sometimes during the Quizzes.**

We will mostly follow the following plan. We might be a bit faster or slower on few occasions.

Week 1 (4 classes) Aug 25- Aug 29: Chapter 5: Review Math 235, 5.1.

Week 2 (4 classes) Sept 1- Sept 5: Chapter 5: 5.2, 5.3.

Week 3 (4 classes) Sept 8- Sept 12: Chapter 5: 5.4, 5.5.

Week 4 (4 classes) Sept 15- Sept 19: Chapter 5: 5.6.

Week 5 (4 classes) Sept 22- Sept 26: Chapter 6: 6.1, 6.2.

Week 6 (4 classes) Sept 29- Oct 3: Chapter 6: 6.3.

Week 7 (4 classes) Oct 6- Oct 10: Chapters 6: 6.4 and **midterm on Thurs Oct 9.**

Week 8 (4 classes) Oct 13- Oct 17: Chapter 7: 7.1, 7.2.

Week 9 (4 classes) Oct 20- Oct 24: Chapter 7: 7.3- 7.4.

Week 10 (4 classes) Oct 27- Oct 31: Chapter 7: 7.5, 7.6.

Week 11 (4 classes) Nov 3- Nov 7: Chapter 7: 7.6, 7.7.

Week 12 (4 classes) Nov 10- Nov 14: Chapter 8: 8.1.

Week 13 (4 classes) Nov 17- Nov 21: Chapter 8: 8.2, 8.3.

Week 14 (no classes) Nov 24- Nov 28: Thanksgiving break.

Week 15 (4 classes) Dec 1- Dec 5: Chapter 8: 8.4 and Review.