MATH 2433: Calculus and Analytic Geometry III
Course Syllabus
Fall 2013

Section 005
MWF: 1:30 - 2:20 pm
PHSC 321

Instructor: Dr. Matt McBride
Office: PHSC 810
Office Phone: 325-5074
Offic Hours: M: 2:30 − 3:30 pm / W: 12:30 − 1:30 pm or by appointment
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Textbook: James Stewart, *Calculus*, 7th Edition

Prerequisites: MATH 2423

Objective: We will cover a variety of topics that can be used in many areas in mathematics such as differential equations and the next course in the calculus sequence. In particular we will discuss infinites sequences and series, parametric equations, polar equations, vectors and the geometric meaning of them, some geometry of 3 dimensional space, and finally vector valued functions.

Withdrawl Date: Through October 28th, you may drop the course and receive a W grade. Dropping the course after October 28th requires a petition to the Dean, and will result in a grade of either W or F.

Academic Honesty: The University of Oklahoma takes great pride in academic honesty, thus cheating of any kind will not be tolerated. If cheating is suspected, bad actions will be taken.

Students with disabilities: The University of Oklahoma is committed to providing reasonable accomodation for all students with disabilities. If you require special accomodation in this course you are requested to speak with the instructor as early in the semester as possible. Students with disabilities must be registered with the Office of

Disability Services prior to receiving accomodations in this course. For further information please see `http://drc.ou.edu`.

Homework: As with any math course, homework is a vital component. One must practice newly learned facts, theorems, etc. through the assigned homework. Homework will be assigned daily, however it will not be collected. See the quizzes section below for more details on this. Even though the homework will not be collected it is expected to be completed, as this is necessary to excel in this course.

Quizzes: There will be weekly in-class quizzes with the exception during the weeks the exams will be administered. As mentioned above, homework will be assigned daily, but not collected. Instead the quizzes will come directly from the previous week's homework. Students who have completed the homework will be able to use it on the quiz, however no in-class notes or books will be allowed. This is an incentive to do the assigned homework, plus in order to master mathematics one needs to practice it, hence homework. This can never be stressed enough.

Exams: There will be three closed book, closed notes, and closed homework in-class exams. Students will have the whole class period to take the exams. All three exams will cover roughly seven sections, though this may be modified due to time and is left up to the discretion of the instructor.

Final Exam: The final exam is a comprehensive exam and will be held on **Monday, December 9$^{\text{th}}$** in the usual class location at **8:00 - 10:00 am**. This date can **not** be modified, so make sure one's calendar is free.

Make-up Policy: Make-up exams and quizzes will be given **only** for reasons deemed acceptable by the instructor, and **only** with written documentation. Make-up exams and quizzes must be taken within one week of the original date, and no make-ups may be taken after the final exam. Make-up exams and quizzes are never easier than the original.

Calculator Policy: You may use a calculator when working on the homework assignments. In class and when taking exams, a calculator is not really needed, but you may, if you wish, use a simple calculator that does not have graphics capability while taking exams, just to check your arithmetic. The reason for the exclusion of graphics capability to make sure that you have the graphs of the fundamental functions like such as trigonometric, lograrithm, and exponential in your head.

Grading Distribution:

Quizzes.....25%
Exams.....45%
Final Exam.....30%
Total.....100%

Grading Scale:

A:....100% - 90%
B:.....89% - 80%
C:.....79% - 70%
D:.....69% - 60%
F:.....59% and below

Fall 2013 Tentative Schedule

Note: this may be modified and is left to the discretion of the instructor.

Date	**Sections Covered**	**Homework**
Mon, Aug. 19	11.1	none
Wed, Aug. 21	11.1	**11.1:** 7-11 odd, 15,17,23-49 odd, 80
Fri, Aug. 23	11.2	none
Mon, Aug. 26	11.2	**11.2:** 17,23,25,29-41 odd, 43-47 odd, 59,63
Wed, Aug. 28	11.3	**11.3:** 3-25 odd, 29,34
Fri, Aug. 30	11.4, **Quiz 1**	none
Wed, Sept. 4	11.4	**11.4:** 3-31 odd
Fri, Sept. 6	11.5, **Quiz 2**	**11.5:** 3-19 odd
Mon, Sept. 9	11.6	none
Wed, Sept. 11	11.6	**11.6:** 3-29 odd, 33
Fri, Sept. 13	11.7, **Quiz 3**	**11.7:** 1-27 odd, 31-37 odd
Mon, Sept. 16	11.8	**11.8:** 3-19 odd, 23,25,27,37
Wed, Sept. 18	Review for Exam 1	none
Fri, Sept. 20	**Exam 1**	**Covering: 11.1-11.7**
Mon, Sept. 23	11.9	none
Wed, Sept. 25	11.9	**11.9:** 3-9 odd, 15,17,25,27
Fri, Sept. 27	11.10, **Quiz 4**	none
Mon, Sept. 30	11.10	**11.10:** 5,7,9,15,17,33,35
Wed, Oct. 2	10.1	**10.1** 1-15 odd
Fri, Oct. 4	10.2, **Quiz 5**	none
Mon, Oct. 7	10.2	**10.2:** 1-9 odd, 17,19,29,33,41-45 odd, 57,59
Wed, Oct. 9	10.3	**10.3:** 7-25 odd

Date	**Sections Covered**	**Homework**
Mon, Oct. 14	10.4	**10.4:** 1,3,9,11,17,23-31 odd, 45,47
Wed, Oct. 16	Review for Exam 2	none
Fri, Oct. 18	**Exam 2**	**Covering: 11.8-11.10, 10.1-10.3**
Mon, Oct. 21	12.1	**12.1:** 7-37 odd
Wed, Oct. 23	12.2	none
Fri, Oct. 25	12.2, **Quiz 6**	**12.2:** 5,9-27 odd
Mon, Oct. 28	12.3	none
Wed, Oct. 30	12.3	**12.3:** 3-9 odd, 15,17,19,23,29,39-45 odd
Fri, Nov. 1	12.4, **Quiz 7**	none
Mon, Nov. 4	12.4	**12.4:** 1-9 odd, 17,19,29,31,33,47,48,53
Wed, Nov. 6	12.5	**12.5:** 3-13 odd, 23-39 odd, 51,53
Fri, Nov. 8	12.6, **Quiz 8**	**12.6:** 3,5,11-35 odd
Mon, Nov. 11	13.1	**13.1:** 1-11 odd, 21,23,25,41,43
Wed, Nov. 13	Review for Exam 3	none
Fri, Nov. 15	**Exam 3**	**Covering: 10.4, 12.1-12.6**
Mon, Nov. 18	13.2	none
Wed, Nov. 20	13.2	**13.2:** 3-25 odd, 35,37,39,52,53
Fri, Nov. 22	13.3, **Quiz 9**	none
Mon, Nov. 25	13.3	**13.3:** 1,3,5,13,17-25 odd, 47
Mon, Dec. 2	Review for Final Exam	none
Wed, Dec. 4	Review for Final Exam	none
Fri, Dec. 6	Review for Final Exam	none
Mon, Dec. 9	**Final Exam**	**PHSC 321: 8:00 - 10:00 am**