Syllabus for MATH 2433, Calculus and Analytic Geometry III, Section 160 Summer 2016

Class meeting time and place: MTWRF 1:00 p.m. 2:25 p.m., PHSC 0359

Instructor contact information:

Instructor: Dania Sheaib; e-mail dania.sheaib@ou.edu; office PHSC 0823

Office Hours: Monday and Wednesday 10:30 a.m. - 11:30 a.m. in PHSC 0114 (Math Center)

Class web page: http://www2.math.ou.edu/∼dsheaib/Math2433-Summer2016.html

Prerequisites: MATH 2423. It is assumed that students are proficient in basic differential and integral calculus. In particular, students should be fully comfortable with the rules of differentiation (especially the product, quotient, and chain rules) and the basic techniques of integration, including integration by substitution and integration by parts.

Text: Calculus (8th ed) by James Stewart, Cengage Learning, 2016, ISBN 978-1-305-27176-0. The course will cover the major portions of Chapters 10-13, though we will alter the ordering of the topics to comply with a request from the College of Engineering to treat vectors early in the semester.

Grading: Your grade will be based on the following:

Homework 10 pts

Quizzes 20 pts

Two midterm exams (20 pts each)

Final exam 30 pts

Course grades will be assigned by calculating the total for each student in the class, listing the totals in rank order, and assigning grades according to a reasonable total needed for each letter. After each in-class examination, I will post interim grades, so by the middle of the course you will have a good idea of where you stand, and what is required for a given grade.

Testing: The dates for the midterm and final exams are given below.

Midterm Exam 1 Friday, May 27, in class

Midterm Exam 2 Thursday, June 16, in class

Final Exam Friday, June 24, in class

You should have your OU photo ID with you at all exams, and show it if requested. No books, notes, or electronic devices of any kind may be used during exams. Make sure not to make travel plans that prevent you from taking any of the tests or the final exam at the scheduled time. If you have a legitimate and verifiable reason why you cannot be present at an exam, you must contact me in advance of the test time and make an alternative arrangement.

Attendance:

You are expected to attend all lectures and you are responsible for all information given out during them. You are expected to arrive on time for the lectures, properly prepared and in good physical condition in particular, adequately rested and up to date on the course material so that you can maintain full concentration for the entire lecture. All electronic equipment should be turned off before the start of every lecture, and should remain off until the class is dismissed. Since learning calculus requires your full attention, activities such as conversing with other students, eating, sleeping, reading a newspaper, listening to headsets, using computers, cell phones, or other electronic devices, are not allowed!

Homework:
Homework will be assigned on the course website and collected every Monday and Wednesday at the beginning of the class. You will be responsible for checking the website regularly for any updates. Your homework will be checked for completeness.

The problems in your homework should be in the order listed in the assignment, and the sheets should be stapled. **No late homework will be accepted!**

I recommend that you write out the statement of the problem (perhaps in abbreviated form) as well as your solution; this will make it easier for you to review when you are studying for exams. Giving just an answer to a problem is not worthy any credit you have to write a complete solution which gives your step-by-step reasoning and is written in grammatically correct English. Although good exposition takes time and effort, writing your thoughts carefully will greatly increase your understanding and retention of the material.

You are encouraged to discuss the homework problems with other students, but you should write up the solutions in your own words. Copying solutions from a solutions manual, from someone elses work, or from the Internet is a complete waste of time, as you will not learn the material adequately, and you will pay a heavy price on the quizzes and the exams which constitute 90% of your course grade.

It is absolutely essential to work a large number of problems on a regular basis. After each lecture, start on the problems for that topic. It is much more efficient to work a few problems at a time in many sessions, rather than all at once, as this will allow your mind to assimilate the ideas better. Please read the textbook, paying special attention to the solved examples in the text. The assigned homework problems are a bare minimum for most students to get a basic working knowledge of the required material work on additional problems as needed (the odd-numbered problems have answers at the end of the textbook). As a university level student, you must manage your time effectively, by working extra problems for the topics that give you difficulty, and reviewing so that you retain your knowledge.

Quizzes:
Short quizzes will be given throughout the semester. Each quiz will be worth 2 points. **There will be no make-up quizzes!**

Getting help:
There are several resources for help if you are having difficulty. The Mathematics Department maintains a Math Center, PHSC 0114 (on the 1st floor of the Physical Sciences Center), where highly qualified Math graduate students will answer your questions. You can just walk in and receive help. Operation hours are:

  Monday through Friday: 9:00 a.m.-1:00 p.m.

My office hours are listed above, and you are welcome to arrange an appointment with me at another time if those hours are not convenient for you. The success of my students is very important to me, and I am happy to work with you if you find it beneficial.

Use of calculators and technology:
A basic calculator is needed for a few of the homework problems, but use of electronic devices of any kind during exams is prohibited. I recommend that you avoid using a graphing calculator.

Some important dates:
 (1) First day of classes: Monday May 16.
 (2) Withdrawal with an automatic W: May 19 till June 6.
 (3) Memorial Day Holiday: Monday, May 30 (no classes).
 (4) Withdrawal with a W/F with a petition to the Dean: June 7-24.
 (5) Last day of classes: Friday, June 24.

Academic Misconduct:
All cases of suspected academic misconduct will be referred to the Dean of the College of Arts and Sciences for prosecution under the Universitys Academic Misconduct Code. The penalties can be quite severe. Dont do it!
For details on the Universitys policies concerning academic integrity see the Students Guide to Academic Integrity at $http://integrity.ou.edu/$
For information on your rights to appeal charges of academic misconduct consult the Academic Misconduct Code at $http://integrity.ou.edu/files/Academic_Misconduct_Code.pdf$
Students are also bound by the provisions of the OU Student Code, which can be found at
$http://judicial.ou.edu/content/view/27/32/$

Students With Disabilities:
The University of Oklahoma and the Math Department are committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course 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 accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166: phone 405-325-3852 or TDD only 405-325-4173.

Religious Holiday Policy:
"It is the policy of the university to excuse absences of students that result from religious observances and to provide without penalty for the rescheduling of examinations and additional required class work that may fall on religious holidays". Adherence to this policy, I request students that plan to observe a religious holiday to notify me as soon as possible to make appropriate arrangements for class work or rescheduling of examinations.