

Syllabus for MATH 1823, Calculus and Analytic Geometry, Section 030

Fall 2012

Class meeting time and place: MWF 12:30 – 1:20 p.m., 170 Nielsen Hall

Instructor contact information:

Instructor: Prof. Nikola Petrov; e-mail npetrov@ou.edu; office 802 PHSC; office phone 325-4316
Office Hours: Mon 2:30–3:30 p.m., Fri 11:30 a.m.–12:30 p.m., or by appointment
Class web page: http://www.math.ou.edu/~npetrov/math1823_f12.html

Prerequisites: MATH 1523 at OU, or satisfactory score on the placement test or on the ACT/SAT.

Text: *Calculus* (7th ed) by James Stewart, Brooks/Cole, 2012, ISBN 978-0-8400-5818-8

Grading: Your grade will be based on the following:

Quizzes	10 %
Homework	11 %
Three midterm exams	18 % each
Final exam	25 %

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 and the (tentative) material covered for the midterm and final exams are given below.

Midterm Exam 1	Wed, Sep 19, in class	Sections 1.1–1.8 (tentative)
Midterm Exam 2	Mon, Oct 22, in class	Sections 2.1–2.6 (tentative)
Midterm Exam 3	Mon, Nov 26, in class	Sections 2.7–2.9, 3.1–3.5 (tentative)
Final Exam	Wed, Dec 12, 1:30–3:30 p.m., 170 Nielsen Hall	All sections covered in class.

You must 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. When you have completed an exam, hand it in to your own discussion section instructor. Do not 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 all discussion classes, and you are responsible for all information given out during them. You are expected to arrive on time for the lectures and the discussion classes, 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 discussion class, 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 and quizzes: The homework assignments will be given in the class web site. Your homework solutions must be turned in at the beginning of the discussion class. 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. Your lowest homework grade will be dropped.

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!

Homework assignments will be checked for completeness, and a few of the homework problems will be graded. 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. Your discussion class instructor may set additional formatting requirements for the written work.

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 else's 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 89% 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.

Short pop quizzes will be given about once a week on average. Each quiz will be worth four points, of which one point is only for writing your name and discussion section number. Your lowest quiz grade will be dropped. *There will be no make-up quizzes!*

Graduate assistants and discussion sections: Along with your enrollment in MATH 1823-010, you are also required to be enrolled in one of the associated weekly discussion sections for this course. These discussion sections are staffed by graduate teaching assistants and are intended to give you the opportunity to ask additional questions and see additional examples beyond that which can be accommodated in the course lectures. Information about the discussion sections and their instructors is provided below.

<u>Section</u>	<u>Meeting day and time</u>	<u>Location</u>	<u>Instructor</u>
1823–031	Thu, 9:00-9:50 a.m.	121 PHSC	Dania Sheajib
1823–032	Thu, 1:30-2:20 p.m.	321 PHSC	Dania Sheajib
1823–033	Thu, 3:00-3:50 p.m.	121 PHSC	Hong Qu
1823–034	Fri, 8:30-9:20 a.m.	115 PHSC	Keshav Acharya
1823–035	Fri, 9:30-10:20 a.m.	114 PHSC	Hong Qu
1823–036	Fri, 2:30-3:20 p.m.	205 Burton Hall	Keshav Acharya

Getting help: There are several resources for help if you are having difficulty. The Mathematics Department maintains a Math Center, PHSC 209 (on the 2nd floor of the Physical Sciences Center), where highly qualified Math graduate students will answer your questions. You can just walk in and receive help. It is open 9:30–5:30 on Monday–Thursday, and 9:30–3:30 on Friday.

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: Mon, Aug 20.
- (2) Last day to withdraw with an automatic “W”: Fri, Oct 26.
- (3) Labor Day holiday (no classes): Mon, Sep 3.
- (4) Thanksgiving vacation (no classes): Wed, Nov 21 – Sun, Nov 25.
- (5) Withdrawal with a “W/F” with a petition to the Dean: Mon, Oct 29 – Fri, Dec 7.
- (6) Last day of classes: Fri, Dec 7.

Policy on W/I grades: Until August 31, there is no record of a grade for dropped courses. From September 4 through October 26, you may withdraw and receive a “W” grade, *no matter what scores you have so far achieved*. A withdrawal on or after October 29 would require a petition to the Dean (such petitions are not often granted). Furthermore, even if the petition is granted, I will give you a grade of “Withdrawn Failing” if you are indeed failing at the time of your petition. *Avoidance of a low grade is not sufficient reason to obtain permission to withdraw after October 29.*

The grade of “I” is a special-purpose grade given when a specific task needs to be completed to finish the coursework. An “I” cannot be given to avoid receiving a low grade.

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 University’s Academic Misconduct Code. The penalties can be quite severe. *Don’t do it!*

For details on the University’s policies concerning academic integrity see the *Student’s 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 is 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.

Internet Resources: On the Internet there are numerous web sites that contain calculus theory, tutorials, and problems with solutions. The course web site has links to a few calculus web sites, and if you follow the link to the UC Davis Calculus Page, there is a much longer list there.

