

SYLLABUS: Short Calculus: Math 16C-2 Spring 2008

Lectures: MWF 11:00am - 11:50am in Giedt Hall, room 1001.

Instructor: Dr. Peter N. Malkin

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Website: <http://www.math.ucdavis.edu/~malkin>

Course Website: <http://www.math.ucdavis.edu/~malkin/Math16C2Spring2008>

Phone: (530) 754-9368

Room: 3141 MSB

Office Hours: Mondays 3:10pm to 4:00pm, Wednesdays 10:00am to 10:50am, and Fridays 12:00pm to 12:50pm. If you cannot make it at these times, then please make an appointment with me via email for another time (I prefer Mondays, Wednesdays and Fridays). **I am here to help. Please don't hesitate to come and see me if you have a question or problem.**

Text: *Calculus: An Applied Approach* (Seventh Edition) by Larson and Edwards. The course will cover the following sections of the textbook: C.1-C.4, 7.1-7.6, 7.8, 7.9, and 10.1-10.6.

Course Outline: The course will cover the following topics: differential equations (sections C.1-C.4), functions of several variables (sections 7.1-7.6, 7.8, 7.9), and sequences, series and Taylor polynomials (section 10.1-10.6). See the course website for a more detailed breakdown of the course. This course moves along at a rapid pace. There is a lot of new material to cover. The prerequisites for this course are 16B, 17B, or 21B. Math 16C relies heavily on material from Math 16A and Math 16B. It is your responsibility to review and relearn any concepts from Math 16A and Math 16B as necessary for this course. To help you with your revision, there are some revision sheets on the course website.

You are expected to work hard and to try as many exercises as possible. This is the only way to learn mathematics!!

It's not that I'm so smart, it's just that I stay with problems longer.

–Albert Einstein, in *Struggle*.

Announcements: I will communicate the course announcements to you in lectures and by email to your ucdavis.edu email address, so please check your email regularly.

Lecture Notes: I will post the lecture notes for each lecture on the course web site.

Grades: I will handle all grades via the [my.ucdavis](http://my.ucdavis.edu) grade system. You can see your standing in the class, important statistics on exams, and your final grade there. I will not disclose your grade in any other form. I will assign grades based on the statistics of the points obtained by all students. There is a total of 100 possible points in the course:

- 10 points from homework assignments,
- 20 points from mid-term exam 1,
- 20 points from mid-term exam 2, and
- 50 points from the final exam.

There will be NO make-up exams, and LATE homework submissions will NOT be accepted.

Homework Assignments: Homework assignments are worth 10% of your final grade. Homework will be assigned and collected most weeks for a total of about 7 homework assignments (this number may vary depending on time). Each homework assignment has about 20 problems selected from

the text. You only have to hand in the even numbered problems. Three of those problems will be selected for grading (2 points each) plus you will receive 4 points if you wrote solutions for all submitted problems (i.e. you made a reasonable attempt at solving all submitted problems) giving a score out of 10. I will take the five highest scores out of all the homework assignments that you submitted giving a total score out of 50 points. Homework assignments will be posted on the course web site. Graded homework assignments will be distributed in the boxes in the basement of Wellman Hall on the walls of the east-west corridors. Collaboration (not plagiarism) is permitted and encouraged for homework assignments; what you submit must be your own work.

Homework is due at the BEGINNING of CLASS on the date it is due. I will NOT accept late homework. You may also put your homework assignment under my door before the beginning of class. Please write the homework assignment number, your name, student number and "Math 16C-2 Spring 2008" at the top of each page of your homework assignment.

Mid-Term Exams: There will be 2 mid-term exams given in class:

1. **Wednesday April 30th 2008.**
2. **Friday May 30th 2008.**

Each exam is worth 20% of your final grade. There will be NO make-up exams. If you do not attend the exam, then you will receive 0 unless you have a **compelling and documented reason** (e.g. severe illness), in which case, you should make an appointment with me to discuss it as soon as possible. **Use of books, notes, and calculators is NOT allowed.**

Final Exam: The final exam will be held on

- **Thursday June 12th at 10:30am-12:30am.**

Please mark this date in your calendars! The final exam is worth 50% of your final grade. **Use of books, notes, and calculators is NOT allowed.**

Learning Resources: The **Calculus Room**¹ is great place where you can get help on this course. The calculus room is located in the third floor of the mathematical science building, room 3118. Another resource is the **Learning Skills Center**,² which offers many services for you. These services include workshops, drop-in tutoring, self-paced programs, an exam file, and classes coordinated with this course for students with special needs. A list of math tutors available for hire is maintained by the Student Services Office on the math department's website.³ Some student organizations, such as the Math Café, provide tutoring services. You also have academic advising services available through First Resort, 111 South Hall, the Mathematics Academic Peer Advisor, and academic counselors in your Dean's offices.

Students with Disabilities: Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the Student Disability Center (SDC). Faculty are authorized to provide only the accommodations requested by the SDC. If you have any questions, please contact the SDC at (530) 752-3184 or sdcc@ucdavis.edu.

Honor Code: I would like to remind all students that they are taking this course under the provisions of the Code of Academic Conduct. I will make a serious effort to ensure academic integrity in my classes.

¹http://www.math.ucdavis.edu/courses/learning/calculus-help/calc_room

²<http://www.lsc.ucdavis.edu>

³<http://www.math.ucdavis.edu/courses/learning>