

# MATH 109Q - Pre Calculus

## May Intersession 2006

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Class: Mo to Fr 9:00-12:00 in MSB 319  
Office Hours: Mo to Fr 12:00-12:30  
and by appointment

### Textbook

Pre Calculus (Third Edition) by J.Douglas Faires and James DeFranza, Thomson Brooks/Cole  
(ISBN 0-534-46279-0)

### Course Outline and Grades

The goal of this course is to prepare you - and in fact to prepare you well - for a calculus course which you should preferably take next semester. We will focus our attention on general properties of functions and then study several classes of functions in more detail. These classes will be polynomial, rational, root, trigonometric, cyclometric, exponential and logarithmic functions. The idea of asymptotes will prepare you for the concept "limit". The exams are *tentatively* scheduled as follows:

- Exam I: General Properties of Functions (1.2, 1.3, 1.6, 1.7, 1.8, 2.2, 2.3, 2.4) - May 12
- Exam II: Algebraic Functions (3.2 to 3.5) - May 17
- Exam III: Trigonometric Functions (4.2 to 4.7 + Law of Sines and Law of Cosines) - May 23
- Final Exam : cumulative (all of the above + 2.5, 4.8, 4.9, 5.2, 5.3) - May 26 (at 10:00am)

Each in class exam accounts for 22% of your grade and the final accounts for 34% of your grade. There will not be a curve, but there will be 5% extra credit on each exam. The letter grade will be assigned according to the standard table: 93-100 gives A, 90-92 gives A-, 87-89 gives B+, 83-86 gives B, 80-82 gives B-, 77-79 gives C+, 73-76 gives C, 70-72 gives C-, 67-69 gives D+, 63-66 gives D, 60-62 gives D-, and 00-59 gives F.

### Notes on the Calendar

In the event of emergency closing (which is very rare in a summer intersession), the makeup dates are May 13, 20 and 27. Emergency closing is announced on the web, for details see <http://www.news.uconn.edu/emergencyclosing/index.html>.

### Calculator Policy

The exams will be without pocket calculator. If you decide to use a graphing calculator while making exercises in class or at home, do so only to verify already obtained results. The problems will be adapted to this restriction, e.g. you will never be expected to multiply 1.2305 and 0.9746 on an exam as this would take way too much time.

### **Different Editions of the Textbook**

The second and third edition of the textbook are slightly different. The chapters are cut differently. 1.9, 1.10 and 1.11 in the second edition correspond to 2.2, 2.3 and 2.4 in the third edition. For the rest, all sections shift up one number, e.g. 3.5 in the second edition becomes 4.5 in the third edition and so on.

### **Administrative Information**

This intersession is organized by the School of Continuing Studies. For any administrative information (late enrollment, add/drop policy or financial issues) look at

*[http://continuingstudies.uconn.edu/specialsessions/summer/catalog\\_index.html](http://continuingstudies.uconn.edu/specialsessions/summer/catalog_index.html).*

### **Student Athletes**

If you are a student athlete, inform your instructor a.s.a.p. of interferences with your commitments as an athlete (especially conflicts with exam dates). You will be expected to bring in a letter from the athletics department. The sooner you notify me, the better that I will be able to accommodate you.

### **Students with Disabilities**

Inform your instructor a.s.a.p. of special needs that you may have like larger printouts of quizzes and exams or extra time on an exam. You will be expected to bring in a letter from the center for students with disabilities. The sooner you notify me, the better that I will be able to accommodate you.

### **Academic Integrity**

A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgment of the work and ideas of others. Misrepresenting someone else's work as one's own is a serious offense in any academic setting and it will not be condoned. Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the instructor in the creation of work to be submitted for academic evaluation (e.g. papers, projects, examinations and assessments - whether online or in class); presenting, as one's own, the ideas, words or calculations of another for academic evaluation; doing unauthorized academic work for which another person will receive credit or be evaluated; using unauthorized aids in preparing work for evaluation (e.g. unauthorized formula sheets, unauthorized calculators, unauthorized programs or formulas loaded into your calculator, etc.); and presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors involved. A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation, and shall be subject to the sanctions and other remedies described in The Student Code. Sanctions shall include, but are not limited to, a letter sent to the Dean of Students of the University; a grade of 0 on the assignment, quiz or exam; a grade of F for the course. It is well known that in some courses cheating is not punished as harshly as described above. This is not such a course.