MATH 1060Q: PreCalculus – Spring 2010

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Description: Preparation for calculus. Review of algebra. Functions and their applications; in particular, polynomials, rational functions, exponentials, logarithms and the trigonometric functions.
Prerequisites: Recommended preparation: MATH 1010(101) or the equivalent. Not open for credit to students who have passed MATH 1120(112), 1131(115), or 120. Students may not recieve credit for this course and MATH 1040(107).
Credits: 3
Section: 001
Meeting Times: MWF 10:00 AM – 10:50 AM
Location: MSB 315
Textbook: PreCalculus 4th Ed. Custom (Custom Ed.) by Faires, DeFranza, Brooks/Cole (ISBN: 0495439487)

Homework: Homework will not be collected but students are expected to devote enough time each week to study the material outside of class.

Quizzes: Quizzes will in general be given every Friday at least 15 minutes before the end of the class and will relate to the material covered in the week. No make up quizzes will be given but at the end of the semester, the lowest two quiz grades will be dropped.

In-class Group Exercises: Certain problems from the book or taken from other sources by the instructor will be assigned as group work and to be completed in the class. This will be done as frequently as the instructor finds the activity fitting for topics covered in the course.

Exams: There will be two midterm exams and a final exam. Each midterm exam will be given during lecture time. Makeup exams will only be given in cases of emergency. Arrangements will only be made after documented excuses are presented to the instructor. (Read also the Final Exam Rescheduling Policy on the third page of this syllabus)

Grading Information: The final course grade will be based on the following:

20% Quizzes
10% In-class Group Exercises
20% Midterm Exam 1
20% Midterm Exam 2
30% Final Exam

Calculator Policy: Calculators that can perform symbolic operations (such as the HP 28 or 48, or TI-92 or 89) are not allowed. If you bring a calculator to the exam, make sure it cannot perform alphanumeric manipulation. The instructor may randomly ask for calculators and check programs stored in memory. No alphanumeric formulas stored as programs are allowable. Discovery of such material will result in serious consequences. Sanctions can 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.

Course Outline:

Week	Topics
1	1.2 The Real Line
	1.3 The Coordinate Plane
2	1.4 Equations and Graphs
	1.6 Functions
	1.7 Linear Functions
3	1.8 Quadratic Functions
	Chapter 1 Review
	2.2 Common Functions
4	2.3 Arithmetic Combination of Functions
	2.4 Composition of Functions
	2.5 Inverse Functions
5	Chapter 2 Review
	Chapter 1 and 2 Review
	Midterm Exam 1
6	3.2 Polynomial Functions
	3.3 Finding Factors and Zeros of Polynomials
7	3.4 Rational Functions
	3.5 Other Algebraic Functions
	Chapter 3 Review
8	4.2 Measuring Angles
	4.3 The Sine and Cosine Functions
9	4.4 Graphs of the Sine and Cosine Functions
	4.5 Other Trigonometric Functions
10	4.6 Trigonometric Identities
	4.7 Right-Triangle Trigonometry
11	4.8 Inverse Trigonometric Functions
	4.9 Applications of Trigonometric Functions
12	Chapter 4 Review
	Chapter 3 and 4 Review
	Midterm Exam 2
13	5.2 The Natural Exponential Function
	5.3 Logarithm Functions
14	Chapter 5 Review
	Final Review
May 3, 2010 10:30 A.M. - 12:30 P.M.	Final Exam

Some Important Dates:

Feb 1	Last day to drop a course without "W" PeopleSoft course registration closes
March 7	Spring recess begins
March 13	Spring recess ends
April 30	Last day of Spring semester classes

For the complete academic calendar, visit www.registrar.uconn.edu/acadcal.html

Academic Integrity: A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgement of the research 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, and examinations); any attempt to influence improperly (e.g. bribery, threats) any member of the faculty, staff, or administration of the University in any matter pertaining to academics or research; presenting, as one's own, the ideas or words of another for academic evaluation; doing unauthorized academic work for which another person will receive credit or be evaluated; 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, www.dosa.uconn.edu/student_code_appendixa.html.

Final Exam Rescheduling Policy: The scheduling of Final Exams is done by the university, not by your individual instructor or department. Rescheduling is discouraged and requires special permission. When students are forced to miss a Final Exam due to illness, accident, death in the family, or other unavoidable reasons they must obtain permission in writing from the Office of Student Services & Advocacy. Students should present the Office of Student Services & Advocacy with appropriate documentation to support their request. After receiving permission from the Office of Student Services & Advocacy, students should present it to their instructor, who will discuss with them the exact time and location of the rescheduled final exam. Please, notify your instructor and start the procedure as early in the semester as possible. Additional information can be found at www.ossa.uconn.edu/docs/finals_list.pdf.

The Q Center: In addition to your instructor's office hours, you can get help with the material in your course at the UConn Q Center. The UConn Q Center provides tutoring for a list of Q courses from a number of departments, including Math 1011Q to Math 1132Q. In addition to free, drop-in tutoring, the Q Center maintains a list of private tutors. For information on hours and locations please check the Q Center website: www.qcenter.uconn.edu.

Student Support Services:

Counseling and Mental Health Services www.cmhs.uconn.edu
Phone: 486-4705 (after hours, use 486-3427)
Career Services www.career.uconn.edu
Phone: 486-3013
Alcohol and Other Drug Services www.aod.uconn.edu
Phone: 486-9431
Office of Student Services & Advocacy www.ossa.uconn.edu
Phone: 486-3426
Center for Students with Disabilities www.csd.uconn.edu
Phone: 486-2020 (voice), 486-2077 (TDD)