MATHEMATICS 1060Q (109Q): PRE-CALCULUS
Common Web Pages

The University of Connecticut

INTRODUCTION

This course does a rapid survey of topics from elementary functions (intermediate algebra, college algebra, trigonometry), always with the goal of preparing the students for success in their calculus classes. The textbook moves rapidly, although the bound-in copy of Chapter 1 of the Student Study Guide provides additional examples and other assistance. The "Exercises for Calculus" at the end of each chapter ask probing questions for the students to puzzle out and usually require applying more than one skill or idea.

Warning: include(/WebServer/Documents/General/Includes/commontable.php): failed to open stream: No such file or directory
in /Hercules/MacUsers/Courses/ClassHomePages/Math1060/math1060f08/index.php on line 2
Warning: include(): Failed opening '/WebServer/Documents/General/Includes/commontable.php' for inclusion (include_path='.:/usr/lib/php')
in /Hercules/MacUsers/Courses/ClassHomePages/Math1060/math1060f08/index.php on line 2

Click here for the Fall 2008 Syllabus

Click here for the Fall 2008 Day by day schedule

Examination Policies

- **Calculators may be used but may not contain any formulas or notes.**
- **Cell phones must be shut off.**
- **Please bring pencils with erasers for writing your exam work.**

FALL 2008 Exam Schedule (Storrs)

Exam dates are as shown.

1. Friday, September 19. Exam 1 Study Guide.

2. Monday, October 27. Exam 2 Study Guide.

3. Monday, December 1. Exam 3. Study Guide and list of sample problems for review .

4. Thursday, December 11, 10:30 AM - 12:30 PM. FINAL EXAM. Final examination topics .

Final exam room schedule:

Section	Instructor	Building	Room
001	J. Zeng	MSB	307

002	M. Reda	MSB	315
003	F. Xu	Pharmacy/Biology	131
005	F. Xu	Pharmacy/Biology	131
006	G. Leibowitz	J. H. Arjona	245

Final Exam Policies - From the Office of the Dean of Students

Grade Calculations

Homework/quizzes will count 10% in determining semester averages.
(Some instructors will collect homework papers, others will not.)
The in-class exams will count equally,
and the final exam will count as either one or two exams, whichever is higher for the student.
The semester letter grade will be based on the greater of the two numerical averages:
Average 1 = (QZ) + .225 *(EX 1 + EX 2 + EX 3 + FNL) (where a perfect QZ score would be 10, and exam scores range from 0 to 100),
Average 2 = (QZ) + .180 *(EX 1 + EX 2 + EX 3 + 2 * FNL),
Average = MAXIMUM (Ave 1, Ave 2).

There will be no retaking of exams or quizzes, and no exam grades will be dropped.

Tutoring Service

The Q Center provides free tutoring in certain courses in mathematics (including this one), chemistry, and physics. Q Center Web pages

MATHEMATICS 1060Q - -Section 6: PRE-CALCULUS

The University of Connecticut

Instructor:	Gerald Leibowitz
e-mail:	leibowitz@math.uconn.edu
Telephone Number:	(860)486-2402
Office:	MSB M220
Office Hours:	MWF 10:00-11:00 a.m. and by arrangement.

INTRODUCTION

This course does a rapid survey of topics from elementary functions (intermediate algebra,college algebra, trigonometry), always with the goal of preparing the students for success in their calculus classes. The textbook moves rapidly, although the bound-in copy of Chapter 1 of the Student Study Guide provides additional examples and other assistance. The "Exercises for Calculus" at the end of each chapter ask probing questions for the students to puzzle out and usually require applying more than one skill or idea.

Click here for the Fall 2008 Syllabus

Click here for the Fall 2008 Day by day schedule

Math 1060 Common Web pages (includes exam schedules and grade policies).

Suggested review problems for Exam 1.

FINAL EXAM. Thursday, December 11, 10:30 AM - 12:30 PM. Section 06 will have its final in Arjona Room 245.

MATHEMATICS 1060Q (109Q) SYLLABUS FALL 2008

Text: Pre Calculus, Custom 4th Ed., by Faires and DeFranza.
Published by Cengage (Thomson Learning/Brooks-Cole)

Section	Exercises
1.2 Real Number System	1-7 odd,10-30,40,52,54,55,68
1.3 Coordinate Plane	2-16 even,24,26,32,36,40,44,55
1.4 Equations and Graphs	1-3,7,9,10,14,20,39-42
1.6 Functions	1,2,4,7-12,16,18,28,34,39,44,49,51,53,55
1.7 Linear Functions	2-16 even, 22,24,28, 30, 34, 40
1.8 Quadratic Functions	1,6,7,20,24,29,30, 31,33a,34
Chapter 1 -- Exercises for Calculus	1,2a,2c,6,8a
2.2 Other Standard Examples	1,2,9-11,17bc,20,36 Omit [x].
2.3 Combinations of Functions	2,4,8,22
2.4 Composition of Functions	2,4,8,14,16,30
Chapter 2 -- Exercises for Calculus	2,4,6,9
3.2 Polynomial Functions	2,4,14,24,27,34
3.3 Polynomial Theory: Factors and Zeros	2,7,14,26,32
3.4 Rational Functions	2,4,6,8,14,19,29,41,46a-c
Chapter 3 -- Exercises for Calculus	2,3a,4,9,11
4.2 Angles and Radian Measure	2,4,10,12,22,23ab,25ab,30,32
4.3 Sine and Cosine Functions	2,3,9-12, 39-43,51ab
4.4 Trigonometric Graphs	2a,4b,5,6,24
4.5 Tangent and Secant and their co-functions	2,4,8,9,12
4.6 Basic Trigonometric Identities	2,4,6,14,18-24 even,25,31,34
4.7 Right Triangle Trigonometry	2-10 even,19b,20a,22ac
2.5 Inverse Functions	1,3,7,18,20,22,28,30
4.8 Inverse Trig. Functions	2-10 even,16-20 even,42
4.9 Laws of Cosines and Sines	1-9,13,15,20
Chapter 4 -- Exercises for Calculus	3abc,4,7,10b
5.2 Exponential Functions	11,13,15,19d,35
5.3 Logarithm Functions	1-3,11,13,16,18,30,34,40
Chapter 5 -- Exercises for Calculus	1ab,6,8,9

MATHEMATICS 1060Q (109Q)
PRE-CALCULUS

The University of Connecticut

Fall 2008 Daily Schedule

Date	Section
Mon, Aug 25	1.2 The Real Line
Wed, Aug 27	1.2 (continued)
Fri, Aug 29	1.3 The Coordinate Plane
Wed, Sep 03	1.4 Equations and Graphs
Fri, Sep 05	1.6 Functions
Mon, Sep 08	1.6 (continued)
Wed, Sep 10	1.7 Linear Functions
Fri, Sep 12	1.8 Quadratic Functions
Mon, Sep 15	1.8 (continued)
Wed, Sep 17	Chapter 1 Review/ Catch-up
Fri, Sep 19	EXAM 1
Mon, Sep 22	2.2 Common Functions
Wed, Sep 24	2.3 Combination of Functions
Fri, Sep 26	2.4 Composition of Functions
Mon, Sep 29	3.2 Polynomial Functions
Wed, Oct 01	3.3 Factors and Zeros of Polynomials
Fri, Oct 03	3.4 Rational Functions
Mon, Oct 06	3.4 (continued)
Wed, Oct 08	Chapter 2/3 Review/Catch-up
Fri, Oct 10	4.2 Angles and Radian Measure
Mon, Oct 13	4.2 (continued)
Wed, Oct 15	4.3 Sine and Cosine Functions
Fri, Oct 17	4.3 (continued)
Mon, Oct 20	Exercises for Calculus
Wed, Oct 22	4.4 Graphs of Sine and Cosine Functions
Fri, Oct 24	Review
Mon, Oct 27	EXAM 2
Wed, Oct 29	4.5 Other Trig Functions
Fri, Oct 31	4.6 Trig Identities
Mon, Nov 03	4.7 Right Triangle Trig

Wed, Nov 05	2.5 Inverse Functions
Fri, Nov 07	4.8 Inverse Trig Functions
Mon, Nov 10	4.8 (continued)
Wed, Nov 12	4.9 Law of Cosines and Law of Sines
Fri, Nov 14	4.9 (continued)
Mon, Nov 17	5.2 Exponential Functions
Wed, Nov 19	5.3 Logarithm Functions
Fri, Nov 21	More Exponential and Log Functions
Mon, Dec 01	EXAM 3
Wed, Dec 03	Review
Fri, Dec 05	Review
TO BE ANNOUNCED	Final Exam