Math 100C
Syllabus
Spring, 2002

Senior Lecturer: Mrs. Susan Riner
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Text: Algebra and Trigonometry by Keedy/Bittinger, 6th edition

Purpose: This course is designed to prepare students for Math 107 and Math 101. If a student makes an A or B in Math 100C, that student may take Math 101 if calculus is needed. If credit is received for Math 101, the 2-hour credit for Math 100C will be deleted. Students who make below a B in Math 100C should not attempt Math 101. Math 100C will provide each student with an opportunity to increase his or her proficiency in and understanding of the basic concepts of Algebra, sequences and series, sets, combinatorics, and probability. You may not drop Math 100C after January 23rd.

Goals and Objectives: Students should - without the aid of a calculator - demonstrate proficiency in algebraic calculations, retention of algebraic formulas, and understanding of basic concepts, rules, and theorems.

Attendance: Students are expected to attend all classes and are responsible for all material covered in class as well as any changes made in the attached schedule regarding topics, homework, quizzes, and test dates. Attendance and consistent preparation for class will determine the success or failure the student realizes in this course.

Homework: Homework problems will not be collected but are assigned to benefit you. You will need to study 2-3 hours outside of class for every hour spent in class. Sitting and staring at a problem does not count as studying.

Tutoring: Student tutors are available several hours per week in the evenings in the Gregory Room of the JRC. You may want to consult tutors if you are having trouble with homework problems. Tutoring schedules are posted in the Seney Hall classrooms and mathematics office area.

Labs: There will be four Math 100C labs. During these labs, students will work in groups on problems related to the material currently being covered in class. Students may use calculators, textbooks, and class notes in the labs. Each group will turn in one lab and receive one grade. Attendance is mandatory. Since lab assignments are to be done as a group rather than individually, **there is no provision for making up a lab**.

Honor Code: The Honor Code of Oxford College applies to all work submitted for credit. You will pledge with your signature that the work you submit for credit is to yours and yours alone.

Assessment Procedures: Tests will be given on Tuesdays during the lab time. Quizzes will be given during class. Each test should be passed with 60 points or more with provisions made for one retest per test. However, 70 will be the highest grade given on a retest. If any student needs special accommodations, the appropriate paperwork must be turned in and arrangements made prior to the first graded assignment. There is no provision for making up tests. If a student has a **note from a doctor or documented family emergency**, that student may take the retest. The lowest quiz grades will be dropped. Therefore, **there is no provision for making up a quiz**

A STUDENT MUST MAKE 70 OR ABOVE ON THE FINAL EXAM IN ORDER TO PASS MATH 100C.

Points will be distributed as follows:

4 Tests	@ 100 points each	400 points
4 Labs	@ 25 points each	100 points
Quizzes		100 points
Final Exam		200 points
Total		800 points

Grades will be assigned as follows:

A (90-100): 720-800 points	C+ (78-79): 624-639 points
B+ (88-89): 704-719 points	C (70-77): 560-623 points
B (80-87): 640-703 points	F: Below 560 points

Math 100C - Topics

Wed., Jan. 16	1.2 - Exponential Notation
Fri., Jan. 18	1.3, 1.4 - Algebraic Operations
Wed., Jan. 23	1.5 - Factoring
Fri., Jan. 25	1.6 - Rational Expressions
Mon., Jan. 28	1.6 - (continued)
Tue., Jan. 29	Lab I
Wed. Jan. 30	1.7 - Radical Notation
Fri., Feb. 1	1.8 - Rational Exponents
Mon., Feb. 4	Review
Tues., Feb. 5	**Test I**
Wed., Feb. 6	2.1 - Solving Equations
Fri., Feb. 8	2.2 - Rational Equations
Mon., Feb. 11	2.5 - Quadratic Equations
Wed., Feb. 13	2.7 - Radical Equations
Fri., Feb. 15	2.8 - Equations Reducible to Quadratic
Mon., Feb. 18	3.1 - Graphs, Equations
Tues., Feb. 19	Lab II
Wed., Feb. 20	3.2 - Distance, Circles
Fri., Feb. 22	3.3 - Functions
Mon., Feb. 25	Review
Tues., Feb. 26	**Test II**

Wed., Feb. 27	3.4 - Lines
Fri., Mar. 1	3.6 - Symmetry
Mon., Mar. 4	3.7 - Combinations of Functions
Wed., Mar. 6	3.8 - Transformations
Fri., Mar. 8	4.1 - Quadratic Functions
Mar. 11 – 15	Spring Break
Mon., Mar. 18	4.2 - Sets, Inequalities
Tues., Mar.19	Lab III
Wed., Mar. 20	4.3 - Absolute value
Fri., Mar. 22	4.4 - Polynomial and Rational Inequalities
Mon., Mar. 25	Review
Tues., Mar. 26	**Test III**
Wed., Mar. 27	9.1 - Systems of Equations
Fri., Mar. 29	No Class
Mon., Apr. 1	9.2 - Systems of Equations
Wed., Apr. 3	11.1 - Sequences and Series
Fri., Apr. 5	11.2 - Arithmetic Sequences
Mon., Apr. 8	11.3 - Geometric Sequences
Wed., Apr. 10	11.5 - Combinatorics
Fri., Apr. 12	11.5 - Permutations
Mon., Apr. 15	11.6 - Combinations
Tues., Apr. 16	Lab IV
Wed., Apr. 17	11.7 - Binomial Theorem
Fri., Apr. 19	11.8 - Probability
Mon., Apr. 22	Review
Tues., Apr. 23	**Test IV**
Apr. 24, 26, 29	Exam Review