Math 100C
Syllabus
Spring, 2001

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

Purpose: This course is designed to prepare students for Math 107 or Math 101. If a student makes an A or B in Math 100C, that student may take Math 101 if calculus is needed. It is highly recommended that students who make below a B in Math 100C 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.

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. Tutoring is available for Math 100 students.

Honor Code: The Honor Code of Oxford College applies to all work submitted for credit. Work is to be yours and yours alone.

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
4 Labs -	25 points each
Quizzes -	100 points total
Final Exam-	200 points total
Total	800 points

Assessment Procedures: Tests will be given on Tuesdays during the lab. Quizzes will be given during class time. Labs not used for tests will be used for graded group assignments. Each test should be passed with 60 points or more with provisions made for one re-test per section. However, 70 will be the highest grade given on a re-test. If any student needs extra time on a test or quiz due to a documented learning disability, the student must make arrangements to do this prior to the test or quiz. There is no provision for making up tests. If a student misses a test with a valid excuse, that student may take the re-test. The lowest quiz grade will be dropped. Therefore, there is no provision for making up a quiz.

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 100 - Topics

Wed., Jan.17	1.2 - Exponential Notation
Fri., Jan.19	1.3, 1.4 - Algebraic Operations
Mon., Jan. 22	1.5 - Factoring
Wed., Jan.24	1.6 - Rational Expressions
Fri., Jan. 26	1.6 - (continued)
Mon., Jan. 29	1.7 - Radical Notation
Tue., Jan. 30	Lab I
Wed. Jan. 31	1.8 - Rational Exponents
Fri., Feb. 2	2.1 - Solving Equations
Mon., Feb. 5	Review
Tues., Feb.6	**Test I**
Wed., Feb.7	2.2 - Rational Equations
Fri., Feb.9	2.5 - Quadratic Equations
Mon., Feb. 12	2.7 - Radical Equations
Wed., Feb.14	2.8 - Equations Reducible to Quadratic
Fri., Feb. 16	3.1 - Graphs, Equations
Mon., Feb.19	3.2 - Distance, Circles
Tues., Feb.20	Lab II
Wed., Feb.21	3.3 - Functions
Fri., Feb.23	3.4 - Lines
Mon., Feb.26	Review
Tues., Feb.27	**Test II**
Wed., Feb.28	3.6 - Symmetry
Fri., Mar.2	3.7 - Combinations of Functions
Mon., Mar 5	3.8 - Transformations
Wed., Mar.7	4.1 - Quadratic Functions
Fri., Mar. 9	4.2 - Sets, Inequalities
Mar. 12 – 16	Spring Break
Mon., Mar.19	4.3 - Absolute value
Tues., Mar.20	Lab III
Wed., Mar. 21	4.4 - Polynomial and Rational Inequalities
Fri., Mar. 23	9.1 - Systems of Equations
Mon., Mar.26	Review
Tues., Mar.27	**Test III**
Wed., Mar. 28	9.2 - Systems of Equations
Fri., Mar. 30	11.1 - Sequences and Series
Mon., Apr. 2	11.2 - Arithmetic Sequences
Wed., Apr. 4	11.3 - Geometric Sequences
Fri., Apr. 6	11.5 - Combinatorics
Mon., Apr. 9	11.5 - Permutations
Wed., Apr. 11	11.6 - Combinations
Fri., Apr. 13	No Class
Mon., Apr. 16	11.7 - Binomial Theorem
Tues., Apr. 17	Lab IV
Wed., Apr. 18	11.7 - (continued)
Fri., Apr. 20	11.8 - Probability
Mon., Apr. 23	Review
Tues., Apr. 24	**Test IV**
Apr. 25, 27, 30	Exam Review