Math 100C
Syllabus
Fall, 2001

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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. 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 September 5th.

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 scheduled for a limited amount of time 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 offices.

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 textbooks, calculators, and class notes. 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 missed 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 yours and yours alone.**

Assessment Procedures: Tests will be given on Tuesdays during the lab period. 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 special accommodations, the appropriate paperwork should be turned in to the professor and arrangements made prior to the first graded assignment. 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 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
4 Labs	25 points each
Quizzes	100 points total
Final Exam	200 points total
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., Aug. 29	1.2 - Exponential Notation
Fri., Aug. 31	1.3, 1.4 - Algebraic Operations
Mon., Sept. 3	Labor Day Holiday
Wed., Sept 5	1.5 - Factoring
Fri., Sept 7	1.6 - Rational Expressions
Mon., Sept 10	1.7 - Radical Notation
Tue., Sept 11	**Lab I**
Wed. Sept. 12	1.8 - Rational Exponents
Fri., Sept. 14	1.8 - (continued)
Mon., Sept 17	Review
Tues., Sept. 18	**Test I**

Wed., Sept. 19	2.1 – Solving equations
Fri., Sept. 21	2.2 - Rational Equations
Mon. Sept. 24	2.5 - Quadratic Equations
Wed., Sept. 26	2.7 - Radical Equations
Fri., Sept. 28	2.8 - Equations Reducible to Quadratic
Mon., Oct. 1	3.1 - Graphs, Equations
Tues., Oct. 2	**Lab II**
Wed., Oct. 3	3.2 - Distance, Circles
Fri., Oct. 5	3.3 - Functions
Mon., Oct. 8	Review
Tues., Oct. 9	**Test II**
Wed., Oct.10	3.4 - Lines
Th., Fri., Oct.11,12	Midsemester Break
Mon., Oct. 15	3.6 - Symmetry
Wed. Oct. 17	3.7 - Combinations of Functions
Fri., Oct. 19	3.8 - Transformations
Mon., Oct. 22	4.1 - Quadratic Functions
Wed., Oct. 24	4.2/4.3 – Number line, Absolute value
Fri., Oct. 26	4.4 - Polynomial and Rational Inequalities
Mon., Oct. 29	9.1 - Systems of Equations
Tues., Oct. 30	**Lab III**
Wed., Oct. 31	9.2 - Systems of Equations
Fri., Nov. 2	9.2 – (continued)
Mon., Nov. 5	Review
Tues., Nov.6	**Test III**
Wed., Nov. 7	11.1 - Sequences and Series
Fri., Nov. 9	11.2 - Arithmetic Sequences
Mon., Nov. 12	11.3 - Geometric Sequences
Wed., Nov. 14	11.5 - Counting
Fri., Nov. 16	11.5 - Permutations
Mon., Nov. 19	11.6 - Combinations
Wed.-Fri., Nov. 21-23	Thanksgiving Break
Mon., Nov. 26	11.7 - Binomial Theorem
Tues., Nov. 27	**Lab IV**
Wed., Nov. 28	11.8 - Probability
Fri., Nov. 30	11.8 – (continued)
Mon., Dec. 3	Review
Tues., Dec. 4	**Test IV**
Dec. 5,7,10	Exam Review