.

Math 100C
Syllabus
Spring, 2004

Instructor: Mrs. Jan Smith
Office: 115C Seney
Phone: 784-4661
Email: oxfmajs@learnlink.emory.edu

Office Hours: 10:30 a.m.- 11:30 a.m. M,W,F
2:00 p.m. - 4:00 p.m. M,W
1:00 p.m. - 4:00 p.m. T, Th.
--Other times by appointment--

Text: Algebra and Trigonometry by Keedy/Bittinger, 6th edition

Purpose: This course is designed to prepare students for Math 120 (Geometry), Math 107 (Statistics), and Math 110A (Calculus). If credit is received for Math 110A, the 2-hour credit for Math 100C will be deleted. Math 100C will provide each student with an opportunity to increase his or her proficiency in and understanding of the basic concepts of Algebra, graphing, combinatorics, probability, and basic trigonometry. You may not drop Math 100C after January 21st.

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.

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 70 points or more with provisions made for one re-test per section. 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 has a note from a doctor or a documented family emergency**, 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	400 points
4 Labs	25 points each	100 points
Quizzes	100 points total	100 points
Final Exam	200 points total	200 points
Total		800 points

Grades will be assigned as follows:

A (90 - 100): 720-800 points
B (80 - 89): 640-719 points
C (74 - 79): 592-639 points
D (70 - 73): 560-591 points
F: Below 560 points

Math 100 - Topics

Wed., Jan.14	1.2 - Exponential Notation
Fri., Jan.16	1.3, 1.4 - Algebraic Operations
Mon., Jan. 19	No Class
Wed., Jan.21	1.5 - Factoring
Fri., Jan. 23	1.6 - Rational Expressions
Mon., Jan. 26	1.7 - Radical Notation
Tue., Jan. 27	Lab I 2:30 p.m.
Wed. Jan. 28	1.8 - Rational Exponents
Fri., Jan. 30	1.8 - (continued)
Mon., Feb. 2	Review
Tues., Feb. 3	**Test I 2:30 p.m.**
Wed., Feb.4	2.1 - Solving Equations
Fri., Feb. 6	2.2 - Rational Equations
Mon., Feb. 9	2.5 - Quadratic Equations
Wed., Feb.11	2.7 - Radical Equations
Fri., Feb. 13	2.8 - Equations Reducible to Quadratic
Mon., Feb.16	3.1 - Graphs, Equations
Tues., Feb.17	Lab II 2:30 p.m.
Wed., Feb. 18	3.2 - Distance, Circles
Fri., Feb. 20	3.3 - Functions
Mon., Feb. 23	Review
Tues., Feb. 24	**Test II 2:30 p.m.**
Wed., Feb.25	3.4 - Lines
Fri., Feb.27	3.7 - Combinations of Functions
Mon., Mar. 1	3.8 - Transformations
Wed., Mar.3	4.1 - Quadratic Functions
Fri., Mar. 5	4.2, 4.3 - Absolute Value, Interval Notation
Mar. 8 – 12	Spring Break
Mon., Mar.15	5.2 - Exponential Functions
Tues., Mar.16	Lab III 2:30 p.m.
Wed., Mar. 17	5.3 - Logarithmic Functions
Fri., Mar. 19	5.4 - Properties of Logarithmic Functions
Mon., Mar.22	Review
Tues., Mar.23	**Test III 2:30 p.m.**
Wed., Mar. 24	5.7 - Solving Equations/Natural Logs
Fri., Mar. 26	6.1, 6.2 - Unit Circle
Mon., Mar. 29	6.3 - Trigonometric Functions
Wed., Mar. 31	6.4 - Angles
Fri., Apr. 2	6.5 - Triangles
Mon., Apr. 5	6.7 - Trigonometric Graphs
Wed., Apr.7	11.5 - Fundamental Counting
Fri., Apr. 9	11.5 - Permutations
Mon., Apr. 12	11.6 - Combinations
Tues., Apr. 13	Lab IV 2:30 p.m.
Wed., Apr. 14	11.7 - Binomial Theorem
Fri., Apr. 16	Review
Mon., Apr. 19	Review
Tues., Apr. 20	**Test IV 2:30 p.m.**
Wed., Apr. 21	11.8 - Probability

Apr. 23, 26 Exam Review