Math 100C Syllabus Fall, 2001

Senior Lecturer: Mrs. Susan Riner

Office: 116C Seney Phone: 784-8316

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 Fri., Sept. 21 Mon. Sept. 24 Wed., Sept. 26 Fri., Sept. 28 Wed., Sept. 28 Wed., Oct. 1 Tues., Oct. 2 Wed., Oct. 3 Tri., Oct. 5 Mon., Oct. 8 Tues., Oct. 9 Test II  Wed., Oct. 10 Th., Fri., Oct. 11 Wed. Oct. 17 Spyrametry Wed. Oct. 17 Spyrametry Wed. Oct. 19 Wed. Oct. 19 Wed., Oct. 20 Wed., Oct. 20 Wed., Oct. 20 Wed., Oct. 3 Spyrametry Wed. Oct. 19 Wed. Oct. 10 Spyrametry Wed. Oct. 20 Spyrametry Wed., Oct. 20 Spyrametry Wed., Oct. 20 Spyrametry Wed., Oct. 21 Spyrametry Wed., Oct. 22 Spyrametry Wed., Oct. 24 Spyrametry Wed., Oct. 25 Spyrametry Wed., Oct. 26 Spyrametry Spyrametry Wed., Oct. 27 Spyrametry
Mon. Sept. 24  Wed., Sept. 26  Fri., Sept. 28  Cot. 2  Mon., Oct. 1  Tues., Oct. 2  Mon., Oct. 3  Fri., Oct. 5  Mon., Oct. 8  Tues., Oct. 9  Test II  Wed., Oct. 17  Sept. 28  Mon., Oct. 18  Tues., Oct. 9  Test II  Wed., Oct. 10  Th., Fri., Oct. 11  Sequences and Series  Tri., Oct. 20  Mon., Oct. 15  Mon., Oct. 15  Mon., Oct. 15  Mon., Oct. 16  Sept. 26  Cot. 17  Sept. 28  Cot. 20  Cot. 20  Cot. 30  Cot. 20  Cot. 30  Cot. 3
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
Fri., Sept. 28  Mon., Oct. 1  Tues., Oct. 2  Lab II  Wed., Oct. 3  Test., Oct. 9  Test II  Wed., Oct. 17  Signature of the separation of t
Mon., Oct. 1  Tues., Oct. 2  Lab II  Wed., Oct. 3  Fri., Oct. 5  Mon., Oct. 8  Review  Tues., Oct. 9  Test II  Wed., Oct. 10  Th., Fri., Oct. 11,12  Midsemester Break  Mon., Oct. 15  Mon., Oct. 17  Significant of Functions  Mon., Oct. 19  Mon., Oct. 22  Mon., Oct. 24  High and the provided a series of Equations  Mon., Oct. 25  Mon., Oct. 26  Mon., Oct. 29  Tues., Oct. 30  Lab III  Wed., Oct. 31  Fri., Nov. 2  Mon., Nov. 5  Review  Tues., Nov. 6  Test II  3.1 - Graphs, Equations  3.2 - Distance, Circles  3.3 - Functions  Review  Test II   Midsemester Break  3.6 - Symmetry  3.7 - Combinations of Functions  Functions  4.1 - Quadratic Functions  4.2/4.3 - Number line, Absolute value  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  Fri., Nov. 2  9.2 - (continued)  Review  Tues., Nov. 6  Test III  Wed., Nov. 7  11.1 - Sequences and Series  Fri., Nov. 9  11.2 - Arithmetic Sequences
Tues., Oct. 2  Wed., Oct. 3  Fri., Oct. 5  Mon., Oct. 8  Review  Tues., Oct. 9  Test II  Wed., Oct.10  Th., Fri., Oct.11,12  Midsemester Break  Mon., Oct. 15  Mon., Oct. 17  Sequences  Mon., Oct. 22  Wed., Oct. 24  Wed., Oct. 24  Fri., Oct. 26  Mon., Oct. 29  Tues., Oct. 30  Lab II  Wed., Oct. 31  Fri., Nov. 2  Mon., Nov. 5  Tues., Nov. 6  Test II  Lab II  A.2 - Distance, Circles  3.2 - Distance, Circles  3.3 - Functions  Review  Test II   Wed., Oct. 19  3.4 - Lines  Midsemester Break  3.6 - Symmetry  3.7 - Combinations of Functions  4.1 - Quadratic Functions  4.1 - Quadratic Functions  4.2/4.3 - Number line, Absolute value  4.4 - Polynomial and Rational Inequalities  Mon., Oct. 29  9.1 - Systems of Equations  Lab III  Wed., Oct. 31  9.2 - Systems of Equations  Fri., Nov. 2  Mon., Nov. 5  Review  Test III  Wed., Nov. 7  11.1 - Sequences and Series  Fri., Nov. 9  11.2 - Arithmetic Sequences
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
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., Oct. 8 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 Fri., Oct. 26 Fri., Oct. 26 Mon., Oct. 29 Tues., Oct. 30 Lab III  Wed., Oct. 31 Fri., Nov. 2 Mon., Nov. 5 Review Tues., Nov. 6 Test III  Wed., Nov. 7 Fri., Nov. 9  Review Test III
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  7ues., Oct. 30  Lab III  Wed., Oct. 31  9.2 - Systems of Equations  Fri., Nov. 2  Mon., Nov. 5  Tues., Nov. 6  Test III  Wed., Nov. 7  11.1 - Sequences and Series  Fri., Nov. 9  11.2 - Arithmetic Sequences
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
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., Oct. 15 Wed. Oct. 17 Stri., Oct. 19 Mon., Oct. 22 Wed., Oct. 24 Fri., Oct. 26 Mon., Oct. 29 Tues., Oct. 31 Fri., Nov. 2 Mon., Nov. 5 Tues., Nov. 6  3.6 - Symmetry 3.7 - Combinations of Functions 3.8 - Transformations 4.1 - Quadratic Functions 4.2/4.3 - Number line, Absolute value 4.4 - Polynomial and Rational Inequalities 9.1 - Systems of Equations Lab III  Wed., Oct. 31 9.2 - Systems of Equations Fri., Nov. 2 Mon., Nov. 5 Tues., Nov. 6  Test III  Wed., Nov. 7 11.1 - Sequences and Series Fri., Nov. 9 11.2 - Arithmetic Sequences
Wed. Oct. 17  Fri., Oct. 19  Mon., Oct. 22  Wed., Oct. 24  Fri., Oct. 26  Mon., Oct. 29  Tues., Oct. 31  Fri., Nov. 2  Mon., Nov. 5  Tues., Nov. 6  Sequences  3.7 - Combinations of Functions  3.8 - Transformations  4.1 - Quadratic Functions  4.2/4.3 - Number line, Absolute value  4.4 - Polynomial and Rational Inequalities  9.1 - Systems of Equations  Lab III  9.2 - Systems of Equations  Fri., Nov. 2  Mon., Nov. 5  Tues., Nov. 6  Test III  Wed., Nov. 7  11.1 - Sequences and Series  11.2 - Arithmetic Sequences
Fri., Oct. 19  Mon., Oct. 22  4.1 - Quadratic Functions  Wed., Oct. 24  4.2/4.3 - Number line, Absolute value  Fri., Oct. 26  Mon., Oct. 29  Tues., Oct. 30  Wed., Oct. 31  Fri., Nov. 2  Mon., Nov. 5  Tues., Nov. 6  Tues., Nov. 6  Test III  Wed., Nov. 7  11.1 - Sequences and Series  Fri., Nov. 9  11.2 - Arithmetic Sequences
Mon., Oct. 22  Wed., Oct. 24  Fri., Oct. 26  Mon., Oct. 29  Tues., Oct. 30  Wed., Oct. 31  Fri., Nov. 2  Mon., Nov. 5  Tues., Nov. 6  Tues., Nov. 6  Mon., Nov. 7  Fri., Nov. 9  4.1 - Quadratic Functions  4.2/4.3 – Number line, Absolute value  4.4 - Polynomial and Rational Inequalities  9.1 - Systems of Equations  Fquations  9.2 - Systems of Equations  9.2 - (continued)  Review  Tues., Nov. 6  Test III  Wed., Nov. 7  11.1 - Sequences and Series  11.2 - Arithmetic Sequences
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 Tues., Nov. 6 Test III  Wed., Nov. 7 11.1 - Sequences and Series Fri., Nov. 9 11.2 - Arithmetic Sequences
Fri., Oct. 26  Mon., Oct. 29  Tues., Oct. 30  Wed., Oct. 31  Fri., Nov. 2  Mon., Nov. 5  Tues., Nov. 6  Test III  Wed., Nov. 7  Fri., Nov. 9  4.4 - Polynomial and Rational Inequalities  9.1 - Systems of Equations  Fquations  9.2 - (continued)  Review  Test III  Wed., Nov. 7  11.1 - Sequences and Series  11.2 - Arithmetic Sequences
Mon., Oct. 29 Tues., Oct. 30 Lab III Wed., Oct. 31 Fri., Nov. 2 Mon., Nov. 5 Tues., Nov. 6  Test III  Wed., Nov. 7  11.1 - Sequences and Series Fri., Nov. 9  11.2 - Arithmetic Sequences
Tues., Oct. 30 Wed., Oct. 31 Fri., Nov. 2 Mon., Nov. 5 Review Tues., Nov. 6 Test III  Wed., Nov. 7 Fri., Nov. 9  Lab III  9.2 - Systems of Equations Fequations Fri. Review Test 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
Fri., Nov. 2  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. 5  Tues., Nov.6  Test III  Wed., Nov. 7  11.1 - Sequences and Series Fri., Nov. 9  11.2 - Arithmetic Sequences
Tues., Nov.6  Test III  Wed., Nov. 7  11.1 - Sequences and Series Fri., Nov. 9  11.2 - Arithmetic Sequences
Wed., Nov. 7  11.1 - Sequences and Series Fri., Nov. 9  11.2 - Arithmetic Sequences
Fri., Nov. 9 11.2 - Arithmetic Sequences
Fri., Nov. 9 11.2 - Arithmetic Sequences
11.0 300110110 2001110110
Wed., Nov. 14 11.5 - Counting
Fri., Nov. 16 11.5 - Permutations
Mon., Nov. 19 11.6 - Combinations
WedFri., 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