

## MATH 1111 College Algebra

### Course Description

A symbolically intensive functional approach to algebra that incorporates the use of appropriate technology. Emphasis is placed on the study of functions and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate applications are included. (Credit will not be given for both MATH 1101 and MATH 1111.)

Prerequisites: 2 years of high school algebra or the equivalent

Textbook: College Algebra: Seventh Edition  
Sullivan  
ISBN 0-13-143090-0

Grading: Scores on the following determine your final grade:  
5 Exams 60 %  
Final Exam 40 %



Course Grade Scale:

|   |      |     |
|---|------|-----|
| A | 90 - | 100 |
| B | 80 - | 90  |
| C | 70 - | 80  |
| D | 60 - | 70  |
| F | 0 -  | 60  |

I do not curve individual examinations. At the end of the course, the class average is calculated to determine if an overall scaling of grades is necessary.

**Homework** is assigned in the form of problems from the text but will not be turned in or graded.

Attendance: **YOU ARE STRONGLY ENCOURAGED TO ATTEND CLASS.** I do not require daily attendance. I do not repeat lectures or provide notes for those who miss class. It is your responsibility to find out from a fellow classmate what has taken place in class during your absence. You are responsible for all class material whether or not you attend class. If you stop attending class, I have the right to withdraw you. However, dropping and withdrawing from the class is the responsibility of the student. Do not assume I will drop you from the class. If you stop attending after midterm, I will give you a WF.

**Make-up Policy:** No make-up exams are given. If, due to extraordinary circumstances, a student misses a class when an exam is scheduled, the instructor must be notified at least a week in advance unless it is some type of emergency. A student may be required to submit documentation as proof of extraordinary circumstances. If the absence is an excusable absence, then the weight of the missed exam will be placed onto the final exam's weight.

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| (subject to change)                      |                                    |   |
|--|------------------------------------|---|
| <b>Preliminary Schedule and Homework</b> |                                    |   |
| Aug 18                                   | Section R. 2                       | HW: 1– 10, 23, 27, 29, 39, 43, 47, 49, 51, odd from 75 – 109  |
| Aug 20                                   | Section R. 4                       | HW: 1, 5, 7, 9, 17, 19, 27 – 35 odd, 47 – 55 odd, 71 – 87 odd   |
| Aug 20                                   | Section R. 5                       | HW: odd from 5 – 9, 15 – 37, 39 – 55, 77 – 107  |
| Aug 25                                   | Section R. 6                       | HW: 1 – 41 odd  |
| Aug 25                                   | Section R. 7                       | HW: odd from 5 – 11, 17, 25 – 31, 39 – 47, 53, 65 – 91 odd  |
| Aug 27                                   | Section R. 8                       | HW: odd from 7–13 , 21–29, 35 – 51, 65 – 77   |
| Sept 1                                   | <b>Test 1</b>                      |   |
| Sept 3                                   | Section 1.1                        | HW: 1 - 97 odd  |
| Sept 3                                   | Section 1.2                        | HW: 1 - 105 odd   |
| Sept 10                                  | Section 1.3                        | HW: 1 – 31odd,47 - 65odd,75, 77   |
| Sept 10                                  | Section 1.4                        | HW: 7 – 85 odd  |
| Sept 15                                  | Section 1.5                        | HW: 7 – 59 odd, 65, 71, 77  |
| Sept 17                                  | Section 4.5                        | HW: 3 – 15 odd, 21, 25, 31, 33, 37  |
| Sept 22                                  | Section 1.6                        | HW: 3 - 25odd, 31- 43 odd   |
| Sept 22                                  | Section 1.7                        | HW: 5 - 45 odd  |
| Sept 24                                  | <b>Test 2</b>                      |   |
| Sept 29                                  | Section 2.1                        | HW: 5 – 45 odd  |
| Sept 29                                  | Section 2.2                        | HW: 33, 37, 41  |
| Oct 1                                    | Section 2.3                        | HW: 3 – 13 odd, 17, 23, 27, 33, 35  |
| Oct 6                                    | Section 2.4                        | HW: 1 – 7, 11, 19, 23, 27, 33 – 37 odd, 47, 73  |
| Oct 6                                    | Section 2.5                        | HW: 1 – 3, 7, 11, 15, 21, 25  |
| Oct 8                                    | Section 2.7                        | HW: 1 – 3, 7, 11, 24, 27  |
| Oct 13                                   | <b>Test 3</b>                      |   |
| Oct 15                                   | Section 3.1                        | HW: 1 – 21 odd, 29, 35, 39, 47, 51, 55, 61, 67, 73, 79  |
| Oct 15                                   | Section 3.2                        | HW: 1 – 5, 9, 11, 19, 23, 27  |
| Oct 20                                   | Section 3.4                        | HW: 9 - 16  |
| Oct 22                                   | Section 4.1                        | HW: 1 – 17 odd, 35, 41, 47, 53, 55, 69, 77  |
| Oct 27                                   | Section 5.1                        | HW: 1 – 9 odd, 13, 19, 23, 27, 35, 43   |
| Oct 29                                   | Section 5.2                        | HW: 1 – 13 odd, 17 – 21 odd, 29, 39, 41, 43, 47, 71   |
| Nov 3                                    | Section 4.6                        | HW: 1 - 19 odd, 105   |
| Nov 5                                    | <b>Test 4</b>                      |   |
| Nov 10                                   | Section 5.3                        | HW: 1-10, 13, 17, 29 – 35 odd, 53, 57, 63   |
| Nov 10                                   | Section 5.4                        | Graph: $y=4^x$ , $y = (1/4)^x$ , $y = 5^x$ , $y = (1/3)^x$ , $y = e^x$<br>HW: 1-9,11,21,25,31,33,35,43, 45, 51, 67-71, 93, 97, 103, 113 |
| Nov 12                                   | Section 5.5                        | Graph: $y = \log_3(x)$ , $y = \ln(x)$<br>HW: 1 - 21, 31-71 odd  |
| Nov 12                                   | Section 5.6                        | HW: 3, 7, 13, 21, 31, 37  |
| Nov 17                                   | Section 5.7                        | HW: 1, 2, 5, 9, 15, 21, 23, 27, 35, 39  |
| Nov 19                                   | <b>Test 5</b>                      |   |
| Nov 24                                   | Section 7.1                        | HW: 1-59 odd  |
| Dec 1                                    | Section 7.7                        | HW: 1,2,5, 11, 13, 15, 19, 23, 27,41, 45, 51, 61  |
| Dec 1                                    | Section 7.8                        | HW: 1, 2, 3, 7, 9, 11, 17, 19   |
| Dec 3                                    | Review for Final                   |   |
| Dec 10                                   | <b>3:30pm – 5:30 pm Final Exam</b> |   |