

MTH 111 Course Syllabus Fall 2009

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(Fridays at ITC 310)
Textbook: Algebra and Trigonometry with
Modeling & Visualization, 4th Edition,
by Rockswold, with MyMathLab access
code

College Algebra (MTH 111) is designed as a first course in Precalculus. The main topics covered are understanding functions, working with families and extending families of functions (including linear, exponential, logarithmic, power, inverse, and polynomial functions), and fitting functions to data. The main goals of this course are (1) to solidify your algebra and graphing skills and (2) to develop an appreciation of the power of mathematics to solve real-life problems. To take MTH 111, you must have scored appropriately on the placement test or have earned a C- or better in MTH 095.

Homework is vital to your success in this course. A significant amount of what you gain from this course will be learned through homework assignments. For retention purposes, the instructor recommends that students complete homework assignments as soon after the end of each class as possible. It is your responsibility to learn how to solve each homework problem. If you need help, go to the instructor's office hours or ask in class as soon as possible. The instructor reserves the right to administer quizzes based on homework without prior notice. MyMathLab (MML) assignments are worth 10% of your final grade. More information is in the MML section.

Attendance will help you learn and is also important to your success in this course. If you miss class, it is your responsibility to get missed assignments and papers from the instructor and/or other responsible classmates.

Tests are worth a total of 50% of your final grade, at 25% each. Tests will occur during normal class time.

Test 1: Monday, October 26th

Test 2: Monday, November 30th

Final Exam is worth 25% of your final grade. The location of the final will be announced in class.

Final Exam: Monday, December 7th, 12:00-1:50

Skills Test is an additional test you **MUST** pass in order to pass the class. Passing the skills test does not automatically result in passing the course, but failing the skills test does result in failing the class. The first test will be during class on the below date. If you do not pass the first time, you must retake it in the Math Department office.

Skills Test: Friday, October 16th

Quizzes and activities are worth a total of 15% of your final grade. Approximately 7 announced quizzes will be administered, some via MML (the first on Friday, so make sure your account is set up). Quizzes are primarily based on homework assignments. No make-up quizzes are permitted for any reason. Because of this, the lowest quiz grade will not count toward your final grade.

Final letter grades (for students who passed the skills test) are determined as follows.

93 – 100: A 83 – 86.99: B 73 – 76.99: C 0 – 59.99: F

90 – 92.99: A- 80 – 82.99: B- 70 – 72.99: C-

87 – 89.99: B+ 77 – 79.99: C+ 60 – 69.99: D

(Final Grade) = .25(Test 1) + .25(Test 2) + .15(Quiz&Activity Average) + .1(MML Average) + .25(Final)

TI-83 or TI-84 graphing calculator is required for this course. Calculators and some computer software are important tools in mathematics, and you should learn how to use them. However, technology must not be used as replacement of mathematical understanding. For portions of some tests/quizzes calculators may be prohibited or required. Other kinds of graphing calculators are acceptable for this course; however you are responsible for learning how to use them.

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Emergencies resulting a missed test need to be communicated to the instructor *before* the missed test. They can be reported to the instructor in one of 3 ways: (1) in person, (2) by email, (3) by office phone. Obtain missed notes and assignments from reliable classmates. *Make-up quizzes are not permitted*, as the lowest score will be dropped. *Make-up tests are not permitted*. If the instructor is notified in the appropriate manner before the missed test, receives any requested written documentation of the emergency, and agrees the reason for missing is valid; then the appropriate portion of the final exam will replace the missed test.

Cell phones, watch alarms, pagers and any other distractions must be silent (vibrate is not silent) and out of sight during class. Use common sense and respect the learning environment.

Academic integrity is taken seriously. Academic dishonesty degrades the entire university community. The instructor will seek severe penalties for those found behaving dishonestly. All incidents will be reported to the university. Failing a test is a much better outcome than getting caught cheating, or lying about an excuse. Please see the instructor individually if you feel you are under a good deal of pressure.

Diversity of all kinds is appreciated, desired, and respected by the instructor and should be also by the entire class and university community. If you have any special needs or concerns, please communicate these with the instructor promptly. If you feel uncomfortable or have any questions or concerns, major or minor, in or out of class, please talk to the instructor as soon as possible. The instructor will keep such communications confidential.

If you have a documented disability which requires accommodations, please contact the Office of Disability Services (ODS) for appropriate coordination of your accommodations. You can drop by APSC 405 or contact ODS at 503-838-8250 to schedule and appointment. Additionally, please make sure to talk to the instructor within the first few days of class so that she can plan proper accommodations.

Talk to me if you have any questions, concerns, ideas, or special circumstances that my attention may help.

MyMathLab Homework

1. Go to www.coursecompass.com
2. Click on Register (under Students)
3. You need the following:
 - a. Your email address:
 - b. Our course number: boes22746
 - c. Your student access code which came with your book.
 - i. If you don't have an access code, you can purchase one using your credit card or PayPal acct (\$70). Go to www.mymathlab.com/enrolling.html and click on the "purchase online access" link.
4. Once you are logged in, you will click on our course (Intermediate Algebra).
5. Then go to the Homework link on the left hand side.
6. You will then see the HW assigned and when it is due. Click on each assignment throughout the course. Note that 1.1 – 1.3 are due Friday. You are allowed three chances at each question. You cannot print out these assignments..

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Tentative Schedule Quiz dates and homework problems may change.

Date	Section	Homework (in addition to MyMathLab for that section)
28 Sept	1.1	7, 8, 11, 15, 23, 28, 37, 38, 50, 51, 55, 58, 66, 67, 76, 77-81, 89, 95
30 Sept	1.2	4, 12, 26, 27, 31, 32, 34, 37, 38, 45, 49, 50, 55, 56, 57, 66, 70, 73, 76, 77, 93
1 Oct	1.3	2, 3, 5, 10, 15, 20, 23, 24, 26, 27, 29-34, 38-46, 47, 49, 60, 62, 67, 68, 75, 76, 77-86, 91, 97
2 Oct	1.4 Quiz 1 on 1.1-1.3	2-5, 11, 12, 21, 31, 33, 37, 38, 39-53 odd, 56, 59, 61-63
5 Oct	1.5	1-51 odd, 56, 57, 61, 63, 67, 73, 82
7 Oct	2.1	3, 5, 7, 11, 14, 17, 19, 20, 23, 25, 29, 34-37, 39, 43, 50-53, 56, 58, 64, 65, 67, 73, 74, 75, 77, 78, 79-80 part b only, 83, 85, 87
8 Oct	2.2	1, 2, 12, 15-20, 21, 25, 27, 29, 31, 35, 38, 39, 45, 49, 51, 55, 56, 57, 67, 75, 82, 84, 101, 102, 105, 110, 113
9 Oct	2.3 Quiz 2 on 1.4-2.2 & Practice Skills Test	9, 11, 19, 25, 27, 29, 33, 35, 37, 39, 40, 41, 49, 51, 55, 61, 85, 89, 101-104, 106, 107
12 Oct	2.4	1-55 odd, 67, 93, 97
14 Oct	2.5	1, 3, 7, 11, 17, 19, 23, 27, 31-43 odd, 51-65 odd, 67-72, 73, 75, 83
15 Oct	3.1	1-6, 7-71 odd, 88, 89, 91, 83
16 Oct	3.2 Quiz 3 on 2.3-3.1 & Skills Test	1-33 odd, 43-71 odd, 81, 93, 95, 97, 101, 102, 106, 107, 108, 115, 118
19 Oct	3.3	1-53 odd, 57-79 odd
21 Oct	3.4	1-51 odd, 61, 64
22 Oct	3.5	1-89 odd
23 Oct	Review	Prepare for Test 1
26 Oct	Test 1	Test on Sections 1.1-3.5
28 Oct	Test Solutions	Master Sections 1.1-3.5
29 Oct	4.1	1-41 odd, 47-75 odd
30 Oct	4.2	1-18, 19-57 odd, 69-81 odd, 85, 87
2 Nov	4.3	1-37 odd, 47-52
4 Nov	4.4	1-55 odd, 77-107 odd
5 Nov	4.5	1-47 odd
6 Nov	4.6 Quiz 4 on 4.1-4.5	1-31 odd, 32-36, 37-91 odd

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9 Nov	4.7	7-79 odd, 91-97 odd, 107
11 Nov	4.8	1-51 odd, 53, 54, 55-81 odd, 85-87, 89, 93, 94, 95, 97
12 Nov	5.1	1-29 odd, 31-40, 41, 51-71 odd, 77-80, 81-93 odd, 96-98
13 Nov	5.2 Quiz 6 on 4.6-5.1	13-35 odd, 37-40, 41-89 odd, 91-98, 99-121 odd, 122
16 Nov	5.3	1-21 odd, 26, 27-51 odd, 53-60, 61-71 odd, 74-76, 86, 89-91, 93, Begin Logarithm Lab
18 Nov	5.4	1, 7-19 odd, 25, 31, 43-115 odd, 119-122, Complete Logarithm Lab
19 Nov	5.5	7-55 odd, Part b only of 57-61 odd, 63-79 odd, 82, 85, 89
20 Nov	5.6 Quiz 7 on 5.2-5.5	1-79 odd, 83-86 (note D may be negative), 97
23 Nov	5.7	1-10, 16, 19, 21
25 Nov	Review	Prepare for Test 2
30 Nov	Test 2	Test on Sections 4.1-5.7
2 Dec	Test Solutions	Master Section 4.1-5.7
3 Dec	Review	Prepare for Final Exam
4 Dec	Review	Prepare for Final Exam
Finals Week	Final Exam	