

MATH 112 SYLLABUS ~ SPRING 2012

TEXT: Algebra and Trigonometry by Blitzer,
Custom Edition for UMD, Math 112

INSTRUCTOR: _____

OFFICE HOURS and ROOM: _____

Optional: Student Solutions Manual

EMAIL: _____

Math 112 is a 3-credit course recommended for students in Architecture, Landscape Architecture, Kinesiology, Life Sciences and those needing PHYS 141. The course differs from Math 113 only in that it covers trigonometry in place of material on matrices, linear programming, sequences and series. Math 112 (or 113) is a prerequisite for Math 220 or Math 130. Students should be aware that credit can be granted for only one of: Math 112 or Math 113 or Math 110 or 115, though it may be appropriate for some students to take some combinations of these courses.

CALCULATORS: A scientific calculator is required (with exponential, log and trig functions). On tests, except for test 2, you may use only a scientific calculator (NO GRAPHING CALCULATORS). No calculator of any type will be allowed on test 2.

COURSE WEBPAGE: www.math.umd.edu/~jfstone Go to this link for the Course Syllabus with all textbook assignments, the sign-on link to the WebAssign online homework, tutoring schedules, links to the testbank (where you can access many past tests) and to LAS (Learning Assistance Services), and information about the Honor Code.

WEBASSIGN HOMEWORK: You will log on to Webassign at: www.webassign.net/umd/login.html. **Use the same login as for Testudo.** Homework will be done and submitted online. You will need to purchase a Webassign access code, which you can do online or at the bookstore. (You can use Webassign without an access code for 2 weeks). You will be able to save your work as you go, and will usually have 4 opportunities to try each answer before submitting it. Do the practice problems from the textbook first (see below assignments) and on the syllabus on the Course Webpage), to get a feel for the material, before working on the Webassign questions.

TEXTBOOK HOMEWORK: These exercises are on the syllabus below. You are expected to do assignments and check answers with the text (Answers to all odd-numbered problems are in the back of the text). Some of these assignments may be collected. You are expected to spend an average at least 2 hours on homework per hour of class time (this includes reviewing, doing problems, checking and correcting them and reading the new material for the next class).

TESTS AND QUIZZES: Tests and quizzes are based on ALL homework: Webassign AND the additional textbook problems on the syllabus. An average of one quiz per week will be given. Three hourly exams will be given (see dates below).

ABSENCES: Excused absences will be given only with documentation and only for valid medical reasons, university business, or appearances in court. Excused quizzes will not be used in computing the final grade. Make-up quizzes will not be given. Any unexcused quizzes or exams will be counted as a "0", including the final exam. Any student with a valid reason to be excused from an exam **must contact the instructor prior to the exam** and present documentation in the next class session attended. Messages may be left for most instructors via email, voice mail, or by calling the mailroom @ 301-405-5047.

HONOR CODE: The University has a nationally recognized Honor Code, administered by the Student Honor Council. The pledge, approved by the University Senate, reads: "I pledge on my honor that I have not given or received any unauthorized assistance on this assignment/examination." The Pledge should be handwritten and signed on all tests in this course. In conjunction with the University's Code of Academic Integrity, allegations of academic dishonesty will be reported to the Honor Council. As a student you are responsible for upholding these standards. Be aware of consequences of cheating and facilitation. More information can be found at <http://www.shc.umd.edu>.

HELPFUL WEBSITES: 1) www.math.umd.edu/~jfstone, the course webpage (see description above), , 2) <http://www.webassign.net/umd/login.html>. You'll use this to sign on to the webassign homework system, using the same login as for Testudo, as mentioned above. 3) www.math.umd.edu/undergraduate/resources (links to the testbank of past tests and information on tutoring).

IN CASE OF EMERGENCY CLOSINGS: Check your email and check the course webpage for information. ****Be sure you have your current email registered with Testudo so that you will receive important information through Coursemail.**

HINTS FOR SUCCESS: Students are encouraged to make use of the many resources that are available. A schedule for drop-in tutoring in room 0301, math building, will be available a week or so after the start of classes. MATH SUCCESS tutoring is available in the Easton Hall rec room, see: www.resnet.umd.edu/programs/math_success (X4-MATH). You'll have a big advantage if you attend class regularly, do homework (check and correct it), and seek help when necessary (from textbook, instructor, friends, tutoring, Student Solutions Manual, tests in the testbank, etc.). Learning Assistant Services in the Shoemaker building can provide math counseling and tutoring. Make use of all that is available to you.

COURSE EVALUATION: Students are encouraged to go to www.courseEvalUM.umd.edu to complete course evaluations toward the end of the semester.

IMPORTANT DATES: **Test 1:** Monday, Feb. 20; **Test 2:** : Fri., March 30 (No calculators allowed); **Test 3:** Wed., April 25.

Final Exam: Saturday, May 12, 1:30 - 3:30, scheduled with the COMMON FINAL EXAMS. Rooms TBA (It will not be in your regular classroom).

GRADING SCALE:	homework	50pts.	A: 90 - 100%
	quizzes	100pts.	B: 80 - 89%
	hour exams	3@100pts. each	C: 70 - 79%
	final exam	200	D: 60 - 69%

Your instructor may collect some of the following text assignments in addition to your graded WebAssign homework. **The “check-point” exercises throughout the text are recommended.** Answers to all check-point exercises are in the text. These assignments will prepare you for WebAssign problems, tests and quizzes. Check your work with the text and/or the Solutions Manual.

SECTION	TEXTBOOK ASSIGNMENT DUE NEXT CLASS :	
DATE:	COVERED in class:	<i>(*Unless otherwise specified, do only the ODD-NUMBERED problems)</i>
Jan 25	P.2, P.3	p. 31: 3,5, 11-63,109; p.46: 1-19, 23-43, 55-73, 83-99,113, 119
	<i>Note: Students are also responsible for material in other sections of chap. P. Read/review sections P.1,P.4 and P.5.</i>	
Jan 27	P.6	p. 82: 3,5, 15,19,23, 33,43,53,61,65
Jan 30	1.2	p. 112: 13,21,29,37,41-45, 51,55,57, 93. *Watch out for extraneous solutions!
Feb 1	1.3	p. 126: 21, 41,45,47,57,65,71,73. Read 1.5, know the quadratic formula.
Feb 3	1.5	p. 152: 3,9,11,15,23,25,33,69,73,89,93,105,107,109,111,121.
Feb 6	1.5	p. 153: 131,142,147,151,177.
	1.6	p. 168: 13,33,37
Feb 8	1.7	p. 185: 1,3,9,11,35,39,45,55,57,127, 131. Where indicated, graph AND write in <i>interval notation</i> Sept
Feb 10	2.1	p. 210: 1,3,11-21,27,31,35,39,45,49-63, 65,85,89,93,101,105,106.
Feb 13	2.2	p. 223: 3,5,7,13,17,19,23-49,57,59, 71,73,83,85.
Feb 15	2.3	p. 239: 1-9,13,15,17,18,27-37,41,45-61,67,69,71,79,87
	2.4	p. 250: 7,9,17,21,25, 31,43 **Memorize the first 6 common graphs on pages 255.
Feb 17	Review	See all h.w., quizzes, and see past tests in the Testbank at www.math.umd.edu/undergraduate/resources
Feb 20	TEST I (P2-2.4)	*Only Scientific Calculators are allowed, NO GRAPHING CALCULATORS, NO CELL PHONES*
Feb 22	2.5,2.6	p. 266: 53-77, 81-93, 103,105; p. 279: 1-13, 17,19, 25,27
Feb 24	2.6	p.279: 33,39,41,43,49,53,59,65,69,71, 97.
Feb 27	2.7	p. 290: 1,7,10
	2.8	p. 300: 5,9,11,15,23,27,37, 41,51,67,69,73.
	NOTE: NO CALCULATORS of any type WILL BE ALLOWED ON TEST II	
Feb 29	3.1	p. 324: 1,7, 11,15,17,21,27,37,41,57
Mar 2	3.1	p. 326: 71, and problems from worksheet.
Mar 5	3.2	p. 338: 1,3,7-19,23
Mar 7	3.2	p. 338: 25,47,49,53,59,65,67,69,83,85,87.
Mar 9	3.5	p. 380 : 5,7, 15-20 all, 21,25,27,29,35
Mar 12	3.5	p. 380: 51,53,55,59,93,95.
Mar 14	4.1	p. 420: 3,9-23,27,29,31,35,47,65.
Mar 16	4.2	p. 434: 1,3,7-15,19,23-29,35-41, 81-99
March 17-25	SPRING BREAK	
Mar 26	4.2	p. 434: 43-79
Mar 28	Review:	See homework, quizzes, and the testbank.
Mar 30	TEST II (2.3 - 4.2)	*NO CALCULATORS OF ANY TYPE ARE ALLOWED ON TEST II *
April 2	4.3	p. 445: 1,5,9,11,15,17,21,23,27,29-33, 41,43,51,53,63,71,73,77,103
April 4	4.4	p. 456: 5,11,21,27,31,33,37,39, 53,55,57,59,67-73, 79,101,109,111
April 6	4.5	p. 469: 1,3,5,21,23,25,27,33,35,37
April 9	5.1	p. 494: 1-5,11,13,17,21,25,31,35, 43,45, 51-55,59,65,73, 87-93, 111
April 11	5.2	p.509: 1,7,9-23, 41, 45, 53-61, 75,79
April 13	5.3	p. 525: 10,11,12,14,16, 17,21,25,27,31,33
April 16	5.3	p. 525: 35,39,43,45,51, 63-69,75,77
April 18	5.5	p. 554: 3, 9,11,15,19,33, 37,45,55,75-81,85
April 20	5.6	p. 567: 1,3,7,9(plus webassign!)
April 23	Review:	See hw, quizzes, Resource Manual pp.67(#11-15), p.69-71, p.151#1a,b, 3,4,5, p.157#1,3a,c,4,6; and the Testbank
April 25	TEST III (4.4-5.6)	*Only Scientific Calculators are allowed, NO GRAPHING CALCULATORS, NO CELL PHONES*
April 27	5.8	p. 595: 1, 3, 7, 13-16 all, 41,45,47,49,51-55 all, 57,58
April 30	6.5	p. 656: 11, 15 (plus webassign!)
May 2	7.1	p. 671: 3,7,11,47,49,59
May 4	7.2	p. 681: 1,7,17,19
May 7	8.1	p. 681: 3,9,17,23,25,31-39,47,51,61,73,77,79.
May 9	Review	

*****Uniform Final Exam: Saturday, May 12, 1:30 - 3:30. See schedule for COMMON FINAL EXAMS. Rooms TBA**
(It will NOT be in your regular classroom)