

MTH 1280 (4 semester hours)
DEPARTMENTAL SYLLABUS

12/13

COORDINATOR: Karen Brackenridge (karen.brackenridge@wright.edu)

PREREQUISITES: Math Placement Test Level 4, passing grade in MTH 1260, or ACT of 22 or better

TEXT (bound or e-book): Algebra and Trigonometry, Third Edition by Stewart, Redlin, & Watson

ONLINE HOMEWORK REQUIRED: WebAssign (code comes with paperback bound book or can be purchased separately which gives access to e-book, previously purchased codes for other courses will not work)

CALCULATOR: TI 81-86 or equivalent calculator required, calculators with symbolic manipulation like TI 89 not permitted, rentals available with refundable deposit through Math Learning Center, 31 Library

(<http://www.wright.edu/uc/success/services/math-learning-center.html>)

Chapters/Sections		(Instructor may add or delete) Problem List $\div 3^*$ means every 3 rd prob.	Comments	Allotted # 55 min. class meetings
P/2-7 Prerequisites	P2 P3 P4 P5 P6 P7	17-25,33-46,53-54 30-72 $\div 3^*$ (so #30,33,36,39,etc.) 51-84 $\div 3^*$ 21-81 $\div 3^*$,92,95 6-54 $\div 3^*$,61-62,85,91 15,21,24,26,31-32,41-49odd,59,62 65,71,75,83	Do p.10 for notation in P2, focus on like terms from P5	1 each section except 2 days for P7 7 days total
1/1-3,5-7 Equations and Inequalities	1.1 1.2 1.3 1.5 1.6 1.7	15-66 $\div 3^*$,97 7-16,19-29odd,35-39,41-42,53-54,57-58,63 6-51 $\div 3^*$,81-83 6-33 $\div 3^*$,83 12-33 $\div 3^*$,39,42,55-57,62-63 9-17odd,23-41odd	Cover drt & work prob. from 1.2, no mixture	1 each except 3 days for 1.2 and 2 days for 1.6 9 days total
2/1-4 Coordinates and Graphs	2.1 2.2 2.3 2.4	21-39odd,49 6-81 $\div 3^*$ 31,38,43,45,72 15-39 $\div 3^*$,45-54 $\div 3^*$,65-66	Evaluation, window, & roots for 2.3, calc. handout	1 each 4 days total
3/1-7 Functions	3.1 3.2 3.3 3.4 3.5 3.6 3.7	1-7odd,15-21odd,27-51odd,72,77 3-7,11-19odd,35-41odd 5-6,19-21,23,31,43,49 6-24 $\div 3^*$ 5-29odd,49-53,55,57,66,75-79odd 6-36 $\div 3^*$,49-50,62,64 5-27odd,37,42,47,85	Do p.190 (4 ways) for 3.1, do p.201 (pics) for 3.2	1 each except 2 days for 3.2 8 days total
4/1-3,5-6 Polynomial and Rational Functions, Modeling p. 255	4.1 p.255 4.2 4.3 4.5 4.6	5,7,9-33 $\div 3^*$,43,63,65 1-11odd,16,21,23,29 15,17,23,27,31,41,47-48,59-60,81 3-4,9-10,15,31,39,41,53,57,59,63 17-20,35-36 12-32 $\div 3^*$,41-42,47,65,84	Do ex. 6 from 4.1, modeling handout for p.255, no slant in 4.6	2 days each except 1 day for 4.5 (only quadratics in 4.5) 11 days total
5/1-5 Exponential and Log Functions	5.1 5.2 5.3 5.4 5.5	9,11,19-24,25,27,40,49-57odd 3-13odd,21,29,31,33 6-42 $\div 3^*$,45-50,53-54,57,63-64,87,90 9-60 $\div 3^*$,72 3-27 $\div 3^*$,29,34,39-54 $\div 3^*$,75-76,81,84		1 each except 2 days each for 5.3-5.5 8 days total
11/1 Linear Systems	11.1	5-14	If time, non-linear in 11.8	2 days total

49 days total, leeway is 6-7 days for tests, review, more time on individual sections, etc.

COMPONENTS FOR GRADE (uniform for all sections)

Test #1	13%	Recommended covering P2-1.7	(12 sections)
Test #2	13%	Recommended covering 2.1-3.7	(11 sections)
Test #3	13%	Recommended covering 4.1-5.5	(11 sections)
(all tests made by instructor)			

Note: At his/her discretion, the instructor may choose to give four tests instead of three, but they must all be equal in weight and collectively add to 39% of the course grade (i.e. each one would be worth 9.75%).

Common final	25%	Made and graded by all instructors of MTH 1280
--------------	-----	--

WebAssign	21%	Online homework set up by course coordinator
-----------	-----	--

Instructor quizzes, assignments, etc.	15%	Made by instructor
---------------------------------------	-----	--------------------

WEBASSIGN INFORMATION (ONLINE HOMEWORK COMPONENT)

Students are required to obtain a WebAssign code and add themselves to the instructor's course (webassign.com). The code (i) is either bundled with each new copy of the paperback version of the textbook OR (ii) can be purchased separately, automatically providing access to the e-book version of the text. NOTE: THE WEBASSIGN CODE IS GOOD FOR THE LIFETIME OF USE OF THE MOST CURRENT EDITION (now the 3rd edition) of the textbook. This same textbook is being used for MTH 1350 (Analytic Geometry and Trigonometry), so the book and code will be valid for that course as well at no additional cost. If students purchase a used bound copy or other version of the textbook, the WebAssign code will probably not be valid (since the previous owner would have used it), so access to WebAssign will still need to be purchased.

Instructors will be given WebAssign profiles, and they will need to add the Stewart book to their profiles. The course coordinator will provide pre-made WebAssign assignments for use throughout the course. The instructors need to set their own due dates for these assignments, and they have the option to delete or add problems to the assignments. Individual instructors may also add additional assignments as needed.