

MTH 103 COURSE CALENDAR SPRING 2020 – REVISED 3/23/20

Below is an approximate timetable for the course. Your section may be slightly ahead or behind this schedule at any given time. Adjustments will be announced in class as needed.

Week of	Content, Events	Suggested Practice Problems
1/20	<i>Classes Begin Wednesday 1/22</i> 1.1 What is a Function? 1.2 Functions and Expressions	(1.1): #1,2,3,5,7,9,11,13,15,17,19,21,25,27,31,32,33,37,39 (1.2): #1,5,9,11,15,17,19,20,21,25,27,29,31,33,35,37,39
1/27	Algebra Diagnostic Exam – in Class on either Mon. 1/27 or Tues. 1/28 1.3 Functions and Equations 1.4 Functions and Change	(1.3): #1,3,5,7,11,17,19,21,27,29,33,35(a),37,39,45,47,49,51,53,63,67 (1.4): #1,3,5,7,9,11,13,17,19,21,23,24,27,31,34,35,37,39
2/3	2.1 Introduction to Linear Functions 2.2 Linear Expressions 2.3 Linear Equations	(2.1): #1,5,7,9,11,15,16,17,19,21,25,27,37,41,43,45,47, 49 (2.2): #3,5,9,11,12,13,15,17,23,25,26,27,29,31,33,34,37,43,45,47,49,51,53,55,59,61,67 (2.3): #1,2,3,4,5,7,9,11,13,14,19,23,35,37,39,41,43,45,47,51,61,63,65,67
2/10	2.4 Equations for Lines in the Plane 3.1 Introduction to Quadratic Functions 3.2 Quadratic Expressions	(2.4): #1,3,5,7,9,13,15,17,19,21,23,25,27,31,33,35,37,38,39,40,41,43,45,46,47,48,49,59, 61,62,63,65,67,71,73 (Chapter 2 Review): 77-82 (for these, if a function is linear, find a formula) (3.1): #1,3,5,6,9,11,13,15,17,18,21,23,25,27,33 (3.2): #1,3,4,5,7,9,11,13,15,16,17,19,21,23,25,27,29,31,33,35,37,38,41,42,44,46,57
2/17	Exam 1 Wed. 2/19, 6-7:30 P.M., Chafee 271 3.3 Converting to Factored and Vertex Form 3.4 Quadratic Equations	(3.3): #3,5,6,7,9,13,15,16,17,19,21,25,27,31,33,35,36,37,39,41,43,45,47 (3.4): #3,5,9,10,11,13,15,17,19,21,23,25,27,29,31,33,35, 37,39,41,43,45,47,49,51,53,55, 57,59,61,63,65,66,67,71
2/24	4.1 Power Functions: Positive Exponents 4.2 Negative and Fractional Exponents 4.3 Power Functions and Expressions	(4.1): #1,5,13,15,17,21,23,24,25,28,29,30,31 (4.2): #1,4,5,7,9,11,13,14,15,16,17,18,19,21,23,25,27,29,31 (4.3): #1-9,11,13,15,17,19,20,21,23,25,27,29,31,33-40,50,51,53,54,55,57,59,65,70,71,72
3/2	4.4 Power Functions and Equations 6.1 Exponential Functions 6.2 Exponential Expressions: Growth Rates	(4.4): #1-5,7,13,15,23,25,27,31,33,35,37,38,41,43,45,47,49,55,57,79 (Chapter 4 Review): 1,2,3,4,5,6,7,8,9,14,15,17,20,21,27; page 175: 1,9,17,19 (6.1): #1,3,5,7,8,9,13,14,15,19-23,25,29,31,32,34,43-45,47,49 (6.2): #1,3,5,7,9,11,21,23,25,33,36,37,40-45,50,51,53,57-59
3/9	<i>Spring Break</i>	
3/16	<i>Extended Spring Break</i>	
3/23	6.3 Half-Life and Doubling Time 6.6 Exponential Functions and Base e 7.1 Introduction to Logarithms	(6.3): #1,3,5,7,9,11,13,19,21,23,25,27,39,41,43,48,51,53 (6.6): #1,3,5,7,9,11,15,17,19,24,25,27,29,33,37 (7.1): #1,2,3,5,6,8,9,11,13,33,35,36,37,39,41,43,45,46,47,49,51,53,54,55,56,57,58,59, 61,63,65,73,74,76,77,79,81
3/30	7.2 Solving Equations Using Logarithms 7.3 Application of Logarithms to Modeling Exam 2 will be given online on Friday, April 3	(7.2): #9,11,13,15,17,19,25,27,31,33,35,37,39,41,43,45,47,51,53,55,57,58-61,63 (7.3): #1,3,5,7,9,11,13,15,19,21,26,27,28,29,31,33,37,39,45,49,51,54
4/6	7.4 Natural Logarithms and Other Bases 5.3 Shifting and Scaling Trig Handout H1: Periodic Functions	(7.4): #1,3,5,6,7,8,9,10,11,13,15,20,24,21,23,25,26,27,29,31,33,36,37,39,41,49,50,51,53 (5.3): #1,2,3,4,7,9,11,13,15,17,19,21,23,25,29,31,35,37,41,43,45 (Trig Handout H1): #1-6
4/13	Trig Handout H2: Angles on the Unit Circle & Radian Measure Trig Handout H3: Sine and Cosine on Unit Circle	(Trig Handout H2): #1-21 (Trig Handout H3): #1-11
4/20	Trig Handout H4: Trigonometric Functions and Modeling Exam 3 will be given online on Wednesday, April 22.	(Trig Handout H4): #1-13
4/27	Review <i>Last Day of Classes Tuesday 4/28</i>	

Final Exam will be given online on Thursday, April 30.