

**Math 110 Schedule**  
**(subject to change)**

<b>Date</b>	<b>Topics</b>	<b>Homework</b>
Monday 1/27	Syllabus Review  Sign into myOpenMath  Linear functions, slope, writing equations, graphing equations	Work on HW#1  Make sure Excel is up to date on Bryant issued laptop
Wednesday 1/29	Linear Applications: supply and demand; cost, revenue, profit; linear growth; residuals	<b>HW #1 – Linear Equations due at 11:59 pm</b>  Start HW# 2
Monday 2/3	Linear Application Day 2  Quiz Review	Study for Quiz 1  Work on HW #2  Bring Laptop to class on 2/5
Wednesday 2/5	<b>Quiz 1</b>  Linear Functions and Excel: Scatterplots, line of best fit, predictions, estimation	<b>HW #2 – Applications of Linear Equations due at 11:59 pm</b>
Monday 2/10	Review of solving quadratics by factoring and the Quadratic formula  Graphing Quadratics, finding the vertex	Work on HW#3
Wednesday 2/12	Applications of Quadratics: Revenue, Cost, Profit; Supply and Demand, Income	<b>HW #3 – Quadratic Solving and Graphing due at 11:59 pm</b>  Bring Laptop to class on 2/19
Monday 2/17	<b>No Class</b> <b>President's Day</b>	
Wednesday 2/19	Quadratic Functions and Excel: Scatterplots, trendline, predictions, estimation  Introduce Case Study #1	<b>HW #4– Quadratic Applications due at 11:59 pm</b>  Work on Case Study #1
Monday 2/24	Exam 1 Review	Study for Exam 1
Wednesday 2/26	<b>Exam 1</b>	Work on Case Study #1

<b>Date</b>	<b>Topics</b>	<b>Homework</b>
Monday 3/3	Exponential growth and decay, the number $e$ , graphing, solving exponential equations	<b>Case Study #1 Due at 11:59 pm – upload to Canvas</b>  Work on HW#5
Wednesday 3/5	Exponential Applications Day 1: Business, growth/decay, Personal finance (simple and compound interest)	<b>HW #5– Graphing and Solving Exponentials Due at 11:59 pm</b>  Work on HW#6  Midterm grades reported on 3/7
Monday 3/10 – Friday 3/14	<b>SPRING BREAK</b>	Relax and recharge!
Monday 3/17	Exponential Applications Day 2: Personal Finance (annuities, future value, loans, amortization)	Work on HW#6  Bring Laptop to class on 3/19
Wednesday 3/19	Exponential Functions and <b>Excel</b> : Compound interest, amortization tables, loans  Quiz Review	<b>HW #6 – Exponential Applications Due at 11:59 pm</b>  Study for Quiz  Bring Laptop to class on 3/24
Monday 3/24	<b>Quiz 2</b>  Introduce Case Study #2	Work on Case Study #2
Wednesday 3/26	Linear Programming: graphing inequalities, graphing with maximizations and constraints	Work on HW #7  Work on Case Study #2
Monday 3/31	Linear Programming: Solve linear inequalities with constraints algebraically and graphically	<b>Case Study #2 Due at 11:59 pm – upload to Canvas</b>  Work on HW#7  Bring Laptop to class on 4/2
Wednesday 4/2	Linear Programming and Excel: setup and solve maximization problems, interpret solutions using slack variable analysis  Introduce Case Study #3	<b>HW #7 – Linear Programming #1 Due at 11:59 pm</b>  Work on Case Study #3
Monday 4/7	Exam 2 Review	Study for Exam 2
Wednesday 4/9	<b>Research and Engagement Day – No class</b>	
Monday 4/14	Exam 2	Work on Case Study #3

<b>Date</b>	<b>Topics</b>	<b>Homework</b>
Wednesday 4/16	Average Rate of Change Derivatives: Power rule, product rule, quotient rule, exponential rule, logarithmic rule	<b>HW #8 – Linear Programming #2</b> <b>Due at 11:59 pm</b>  Work on HW #9
Monday 4/21	Derivatives: Power rule, product rule, quotient rule, exponential rule, logarithmic rule Day 2	<b>Case Study #3 Due at 11:59 pm – upload to Canvas</b>
Wednesday 4/23	Derivative Applications: Marginal Analysis  Quiz 3 Review	<b>HW #9 – Derivatives Due at 11:59 pm</b>  Work on HW #10  Study for Quiz 3
Monday 4/28	<b>Quiz 3</b>  Introduction to Optimization	Work on HW # 9
Wednesday 4/30	Optimization and Applications	<b>HW #10 – Derivative Applications</b> <b>Due at 11:59 pm</b>
Monday 5/5	Exam 3 Review	Study for Exam 3
Wednesday 5/7	<b>Exam 3</b> 8:00 am – 10:30 am Report to regular classroom	