Math 110 Schedule
(subject to change)

Date	Topics	Homework
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	**HW #1 – Linear Equations due at 11:59 pm** 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	**Quiz 1** Linear Functions and **Excel**: Scatterplots, line of best fit, predictions, estimation	**HW #2 – Applications of Linear Equations due at 11:59 pm**
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	**HW #3 – Quadratic Solving and Graphing due at 11:59 pm** Bring Laptop to class on 2/19
Monday 2/17	**No Class** **President's Day**	
Wednesday 2/19	Quadratic Functions and **Excel**: Scatterplots, trendline, predictions, estimation Introduce Case Study #1	**HW #4– Quadratic Applications due at 11:59 pm** Work on Case Study #1
Monday 2/24	Exam 1 Review	Study for Exam 1
Wednesday 2/26	**Exam 1**	Work on Case Study #1

Date	Topics	Homework
Monday 3/3	Exponential growth and decay, the number e, graphing, solving exponential equations	**Case Study #1 Due at 11:59 pm – upload to Canvas** Work on HW#5
Wednesday 3/5	Exponential Applications Day 1: Business, growth/decay, Personal finance (simple and compound interest)	**HW #5– Graphing and Solving Exponentials Due at 11:59 pm** Work on HW#6 Midterm grades reported on 3/7
Monday 3/10 – Friday 3/14	**SPRING BREAK**	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 **Excel:** Compound interest, amortization tables, loans Quiz Review	**HW #6 – Exponential Applications Due at 11:59 pm** Study for Quiz Bring Laptop to class on 3/24
Monday 3/24	**Quiz 2** 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	**Case Study #2 Due at 11:59 pm – upload to Canvas** 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	**HW #7 – Linear Programming #1 Due at 11:59 pm** Work on Case Study #3
Monday 4/7	Exam 2 Review	Study for Exam 2
Wednesday 4/9	**Research and Engagement Day – No class**	
Monday 4/14	Exam 2	Work on Case Study #3

Date	Topics	Homework
Wednesday 4/16	Derivatives: Introduction, Power rule, exponential rule	**HW #8 – Linear Programming #2 Due at 11:59 pm** Work on HW #9
Monday 4/21	Marginal Analysis	**Case Study #3 Due at 11:59 pm – upload to Canvas**
Wednesday 4/23	Introduction to Optimization Quiz 3 Review	**HW #9 – Derivatives Due at 11:59 pm** Work on HW #10 Study for Quiz 3
Monday 4/28	**Quiz 3** Optimization and Applications: finding maximums and minimums, marginal cost and profit	Work on HW # 9 Bring Laptop to class on 4/30
Wednesday 4/30	Finish: Optimization and Applications: finding maximums and minimums, marginal cost and profit Optimization on **Excel**	**HW #10 – Derivative Applications Due at 11:59 pm**
Monday 5/5	Exam 3 Review	Study for Exam 3
Wednesday 5/7	**Exam 3** 8:00 am – 10:30 am Report to regular classroom	