

Pre-Calculus 2nd Semester Plan – 2011/2012

Date	Section	Subject / Activity / Notes
1/23,24	7.1	Inverse Trigonometric Functions
1/25,26	7.2	More Inverse Trigonometric Functions
1/27,30	7.3	Trigonometric Identities
1/31,2/1	7.4	Sum and Difference Formulas
2/2,3	7.5 / 7.6	Double-angle and Half-angle Formulas Product-to-Sum and Sum-to-Product*
2/6,7	7.7 / 7.8	Trigonometric Equations
2/8,9	Review	Chapter 7 Review
2/10,13	Exam	Chapter 7 Exam
2/14,15	9.1	Polar Coordinates
2/16,17	9.2	Polar Equations and Graphs
2/21,22	9.3	The Complex Plane De Moivre's Theorem
2/23,24	9.4 / 9.5	Vectors / The Dot Product
2/27,28	Review	Chapter 9 Review
2/29,3/1	Exam	Chapter 9 Exam
3/2,5	10.1 / 10.2	Conics / The Parabola
3/6,7	10.3	The Ellipse
3/8,9	10.4	The Hyperbola
3/12,13	10.5 / 10.6	Rotation of Axes* / General Form Polar Equations of Conics
3/14,15	10.7	Plane Curves / Parametric Equations
3/16,19	Review	Chapter 10 Review
3/20,21	Exam	Chapter 10 Exam
3/22,23	11.1	Systems of Equations Substitution and Elimination

Date	Section	Subject / Activity / Notes
4/2,3	11.2	Systems of Equations Matrices
4/4,5	11.3	Systems of Equations Determinants and Cramer's Rule
4/6,9	11.4	Matrix Algebra
4/10,11	11.5	Partial Fraction Decomposition
4/12,13	11.7 / 11.8	Systems of Inequalities Linear Programming
4/16,18	Review	Chapter 11 Review
4/19,20	Exam	Chapter 11 Exam
4/23,24	12.1	Sequences
4/25,26	12.2 / 12.3	Arithmetic and Geometric Sequences
4/27,30	12.4	Mathematical Induction
5/1,2	12.5	Binomial Theorem
5/3,4	Review	Chapter 12 Review
5/7,8	Exam	Chapter 12 Exam
5/9,10	14.1	Finding Limits Using Tables and Graphs
5/11,14	14.2	Algebra Techniques for Finding Limits
5/15,16	14.3	One- Sided Limits Continuous Functions
5/17,18	14.4	The Tangent Problem; The Derivative
5/21,22	Review	Final Review
5/23	Review	Final Review
5/24,25	Exam	Final Exam