

Course: Advanced Functions and Modeling

90-Day Pacing Guide

Day	Lesson	Day	Lesson
1	Arithmetic Sequences	46	Unit # 5 Test – Data Regression
2	Arithmetic Series	47	Simplify Radicals and Pythagorean Theorem
3	Arithmetic Word Problems	48	(3 Basic) Trig Ratios in Right Triangles
4	Geometric Sequences	49	Inverse Trig Ratios in Right Triangles
5	Geometric (Finite and Infinite) Series	50	Unit # 6 Project/Activity # 1 – Coloring Sheet
6	Geometric Word Problems	51	Unit # 6 Project/Activity # 2 – Matching Puzzle
7	Recursive and Special Sequences	52	Right Triangle Word Problems
8	Unit # 1 Project/Activity (Patterns Activity)	53	Review
9	Review	54	Unit # 6 Test – Right Triangle Trigonometry
10	Unit # 1 Test – Sequences and Series	55	Review for NC-EMPT
11	Basic Counting Concepts	56	NCEMPT – Math Placement Test
12	Basic Probability Concepts	57	Law of Sines
13	Multiplying Probabilities (“And”)	58	Law of Cosines
14	Adding Probabilities (“Or”)	59	Area of a Triangle
15	Binomial Expansions	60	Unit # 7 Project/Activity (Matching Puzzle)
16	Binomial Probabilities	61	Non-Right Triangle Word Problems
17	Discrete Random Variables	62	Review
18	Unit # 2 Project/Activity (Probability Puzz)	63	Unit # 7 Test – Oblique Triangle Trigonometry
19	Review	64	Angles and Angle Measure – Part I
20	Unit # 2 Test – Probability	65	Angles and Angle Measure (its Apps) – Part II
21	Stats Vocab and Measures of CT	66	The Unit Circle and Exact Value
22	Measures of Variation	67	Graphing Sine and Cosine Functions
23	Data Displays	68	Writing Sine and Cosine Functions
24	Data Collection	69	Unit # 8 Project/Activity # 1 – Graph S/C Puzz
25	Data Collection Activities: M & M and NBA Stats	70	Unit # 8 Project/Activity # 2 – Write S/C Puzz
26	Normal Distribution	71	Trigonometric Equations – Part I
27	Margin of Error (MOE)	72	Trigonometric Equations (its Apps) – Part II
28	Unit # 3 Project/Activity (Crossword Puzz)	73	Review
29	Review for Unit # 3 Test	74	Unit # 8 Test – Trigonometric Functions and Equations
30	Unit # 3 Test – Statistics	75	Review for Exams
31	Interval Notation and Domain/Range	76	Review for Exams
32	Exp and Log Functions	77	Review for Exams
33	Exp and Log Equations	78	Review for Exams
34	Unit # 4 Project/Activity (EL Eq Puzz)	79	Review for Exams
35	Exp and Log Word Problems	80	Review for Exams
36	Power Functions	81	Review for Exams
37	Piecewise Functions	82	Review for Exams
38	Review	83	Review for Exams
39	Unit # 4 Test – Various Functions and Equations	84	Review for Exams
40	Review for Midterm Exam	85	Review for Exams
41	Midterm Exam	86	Exams
42	Linear Regression	87	Exams
43	Other Types of Regression	88	Exams
44	Review and Quiz (Linear Reg Only)	89	Exams
45	Review	90	Exams