Class	Date	Day	Unit	Lesson Objective	Resource Materials - Texts, etc.	Homework and Daily Assignments	Graded Assessments, Applications & Computer Projects	REM
	1/9/17	Mon						no school -training - start 3rd quarter
1	1/10/17	Tue		Introduction to Course		None		1st day - class expectations, policies, receive texts
2	1/11/17	Wed	Problem Solving	The Problem Solving Steps	Sec 1.1	Pages 14-17: 1,10,11,14,17, 19-24,37,38,41,42.56,57, 66,67,83		
3	1/12/17	Thu	Problem Solving	Induction & Deduction	Sec 1.2	Pages 25-27: 3,9,14-16, 19,20,27,30,33,35,41,42		
4	1/13/17	Fri	Set Theory and Logic	Notation and Terminology	Sec 2.1	Pages 48-49: 1-55 (every other odd), 65,67,70,72	Section 1.1-1.2 Quiz	
5	1/16/17	Mon	Set Theory and Logic	Subsets, Comparing Sets	Sec 2.2	Pages 55-57: 5,6,12,13,22,23,43,50,51,		
6	1/17/17	Tue	Set Theory and Logic	Set Operations and Venn Diagram	Sec 2.2 - 2.3	Pages 64-65: 1,3,5,7,9,11,15,17,21,22		
7	1/18/17	Wed	Set Theory and Logic	More Set Operations: Union, Intersection, and Complement	Sec 2.3	Pages 64-65: 32,33,36,37,45,48		Delayed Start
8	1/19/17	Thu	Set Theory and Logic	More Set Operations: Conjunction, Disjunction, and Negation	Sec 2.3	Pages 66-67: 49-83 (all odds)		
9	1/20/17	Fri	Set Theory and Logic	Applications and Survey Problems	Sec 2.4	Pages 73-76: 1-11 (odds), 24,25,29,35,38,41,42,45,46, 47-50 (all)		
10	1/23/17	Mon	Set Theory and Logic	Computer Lab	CL -1: Excel Basics	Instructor Problem Statement		Graphing basic functions, using equations
11	1/24/17	Tue	Set Theory and Logic	Logic: Conditional and Conditional	Sec 3.1	Pages 92-94: 5-15 (odds), 21,25-28, 34, 35-39 (odds), 43,44, 45.56.57.58	Sec 2.4 Quiz	
12	1/25/17	Wed	Set Theory and Logic	Logic: Negation, Conjunction, Disjunction	Sec 3.2	Pages 103-105: 1,3,5,9,11,15,21-25,29,35,36,43-46,65-68		
13	1/26/17	Thu	Set Theory and Logic	Logic: Converse, Inverse, and Contrapositive	Sec 3.3	Pages 112-114: 1-27 (odds), 31,32,35,36,37,38, 43,44,45,46,55,56		
14	1/27/17	Fri	Set Theory and Logic	Verifying Arguments	Sec 3.4	Pages 120-122: 3-27 (odds), 35,36,40		
15	1/30/17	Mon	Set Theory and Logic	Truth Table Practices	Sec 3.2 - 3.4	Instructor Practice Worksheets	Truth Table In-class Graded Worksheet	
16	1/31/17	Tue	Set Theory and Logic	Unit Review		Pages 138-139: 1-16 (odds only) - submit with Unit Exam.	CL - 1 due. Send as email attachment to mheinen_1@msn.com	
17	2/1/17	Wed	Set Theory and Logic	Unit Exam		All previous Unit assignments	Text Sections 1.1-1.2 and 2.1 through 2.5	
18	2/2/17	Thu	Mathematical Modeling	Function, Domain, Range, Relationship	Instructors Notes / Handouts	Instructor Problems		
19	2/3/17	Fri	Mathematical Modeling	Review Linear Equations and Graphs	Sec 7.1	Pages 310-312: 1-39 (every other odd), 55,56,73,74,83		
20	2/6/17	Mon	Mathematical Modeling	Computer Lab	CL -2 : Function Graphing	Instructor Problem Statement		
21	2/7/17	Tue	Mathematical Modeling	Modeling with Linear Equations and Graphs	Sec 7.2	Pages 319-321: 5,7,15,16,21,22,25,26		
22	2/8/17	Wed	Mathematical Modeling	Linear Inequalities	Pages 355-359 and Instructors Notes / Handouts	Page 361: 27-43 (all odds) AND Page 363 75,77,79		Delayed Start
23	2/9/17	Thu	Mathematical Modeling	Systems of Linear Equations and Inequalities	Sec 7.6	Pages 360-363: 1-23 (odds)		
24	2/10/17	Fri	Mathematical Modeling	Linear Programming Models	Sec 7.6	Page 360 AND Instructor Handouts	LP Homework Problem	
25	2/13/17	Mon	Mathematical Modeling	Computer Lab	CL -2 : Function Graphing	Instructor Problem Statement		
26	2/14/17	Tue	Mathematical Modeling	Quadratics	Sec 7.3	Pages 327-329: 3,5,8,11,18,21,23,25,26		
27	2/15/17	Wed	Mathematical Modeling	Quadratic Applications	Sec 7.3	Instructor Problems	Take-home Problem	
28	2/16/17	Thu	Mathematical Modeling	Exponentials	Sec 7.4	Pages 328-339: 3,7,11,15, 18-24 (all), 27,32,37		
29	2/17/17	Fri	Mathematical Modeling	Exponential Applications	Sec 7.4	Pages 339-340: 39,42,49,50,54,55,58		
								Winter Break
30	2/22/17	Wed	Mathematical Modeling	Inverses and Logarithms	Instructors Notes / Handouts	Instructor Problems	Exponential Application Quiz	
31	2/23/17	Thu	Mathematical Modeling	Logarithmic Applications	Instructors Notes / Handouts	Instructor Problems		

Class	Date	Day	Unit	Lesson Objective	Resource Materials - Texts, etc.	Homework and Daily Assignments	Graded Assessments, Applications & Computer Projects	REM
32	2/24/17	Fri		Review of: Proportion (Direct Variation) and Inverse Variation	Sec 7.5	Pages 346-348: 5,6,17,18,23,24,35,36, 47,48,59,60	Logarithm Application Quiz	
33	2/27/17	Mon		Computer Lab	CL - 2 : Function Graphing	Instructor Problem Statement		
34	2/28/17	Tue		Unit Review	All Chapter 7 Sections	Pages 272-373: 1, 9,14,19,26, 28,35 (submit with Unit Exam)		
35	3/1/17	Wed		Unit Exam	All Chapter 7 Sections	All previous Unit assignments	All Chapter 7 Sections	
36	3/2/17	Thu	Probability	Introduction to Counting Rules	Sec 12.1	Pages 612-614: 1,3,7,9,12,21-24,33,34,41,42,49,50	CL - 2 due. Send as email attachment to mheinen_1@msn.com	
37	3/3/17	Fri		Fundamental Counting Rules	Sec 12.2	Pages 620-622: 1,3,7,9-12,19,24,25-26,3237-38		
38	3/6/17	Mon		Computer Lab	CL - 3: Binomial Lab	Instructor Problem Statement		Use Excel to model a binomial application problem.
39	3/7/17	Tue		Permutation $_nP_r$ and Combination $_nC_r$	Sec 12.3	Pages 632-634: 1-23 (odds), 29,30,37,42,49,61,69		
40	3/8/17	Wed		Counting and Gambling	Sec 12.4	Pages 639: 1-17 (all odds)	Quiz Sections 12.1-12.3	Delayed Start
41	3/9/17	Thu		Sample Space and Probability	Sec 13.1	Pages 655-656: 1-13 (odds), 15,16,21,22,23,24		
42	3/10/17	Fri		Theoretical and Experimental Outcomes	Sec 13.1	Pages 657-659: 37, 39-43 (all), 53,54, 61,62		
43	3/13/17	Mon		Complements and Unions	Sec 13.2	Pages 665-667: 1-9 (odds), 17,18,23-28 (all), 35, 36		
44	3/14/17	Tue		Conditional Probability	Sec 13.3	Pages 678-681: 1,3,4,9-14,23-26, 31-34, 41-48		
45	3/15/17	Wed		Odds & Expected Value	Sec 13.4	Pages 668-690: 1-4, 11-12, 23-31 (odds)		
	3/16/17	Thu						no school - staff devel
	3/17/17	Fri						Flex Day - End 3rd quarter
	3/20-24/17							Spring Break
46	3/27/17	Mon		Computer Lab	CL - 3: Binomial Lab	Instructor Problem Statement	Binomial Quiz	Start 4th Quarter
47	3/28/17	Tue		Binomial Experiments	Sec 13.5	Page 696: 1-12 (all), 15-16, 22, 23-24		
48	3/29/17	Wed		Binomial Experiments Continued	Sec 13.5	Instructor Problems		
49	3/30/17	Thu		Unit Review	All Chapter 12 and 13 Sections	All previous Unit assignments		
50	3/30/17	Thu		Unit Exam	All Chapter 12 and 13 Sections	All previous Unit assignments		
51	3/31/17	Fri	Statistics	Descriptive and Inferential	Sec 14.1	Pages 710-711: 1-9 (odds), 11,12,14		
52	4/3/17	Mon		Computer Lab	CL - 4: Graphing of various distributions with differing parameters	Instructor Notes	CL - 3 due. Send as email attachment to mheinen_1@msn.com	
53	4/4/17	Tue		Graphical Presentations	Sec 14.1	Pages 712-714: 15-18 (all), 25-28, 35		
54	4/5/17	Wed		Measures of Central Tendency	Sec 14.2	Pages 723-727: 1-7 (odds), 11-12, 23-24, 37-38,43-48 (all)		
55	4/6/17	Thu		Measures of Dispersions (σ and Var(x))	Sec 14.3	Pages 734-735: 1-9 (odds), 11-12, 15-16, 20		
56	4/7/17	Fri		Measures of Dispersions Continued	Sec 14.3	Pages 736-737: 23-24, 33-34, 37-38		
57	4/10/17	Mon		Computer Lab	CL - 4	Instructor Problem Statement		
58	4/11/17	Tue		Normal and Standard Normal (Z) Distributions	Sec 14.4	Page 748: 1-45 (odds)	Mean and variance quiz	
59	4/12/17	Wed		Z Curve Application	Sec 14.4	Pages 749-750: 48-49, 55-56, 57-58, 65-66, 72-73		Delayed Start
60	4/13/17	Thu		Population and Sampling	Instructors Notes / Handouts	Instructor Problems		
61	4/14/17	Fri		Standard Error of the Mean and Central Limit Them.		Instructor Problems		
	4/17/17	Mon						no school mid-spring break

Class	Date	Day	Unit	Lesson Objective	Resource Materials - Texts, etc.	Homework and Daily Assignments	Graded Assessments, Applications & Computer Projects	REM
62	4/18/17	Tue		Linear Correlation	Sec 14.5	Pages 757-758: 1-6 (all), 11-14, 17-18		
63	4/19/17	Wed		Unit Review	All Chapter 14	All previous Unit assignments		
64	4/20/17	Thu		Unit Exam	All Chapter 14	All previous Unit assignments		
65	4/21/17	Fri	Consumer Mathematics	Probability and Percent	Sec 8.1	Pages 386-388: 1-31 (odds), 39, 41-44, 55-58		
66	4/24/17	Mon	Consumer Mathematics	Computer Lab	CL - 5: Investments Comparison / Selection Analysis	Instructor Problem Statement	CL - 4 due. Send as email attachment to mheinen_1@msn.com	
67	4/25/17	Tue	Consumer Mathematics	Simple and Compound Interest	Sec 8.2	Pages 396-397: 1-9 (odds), 17-18, 20-22, 24, 33-35, 38, 40, 43		
68	4/26/17	Wed	Consumer Mathematics	More Compound Interest	Sec 8.2	Page 398: 45-46, 47-50, 55-58, 61-62		
69	4/27/17	Thu	Consumer Mathematics	More Compound Interest and Effective Rate	Sec 8.2	Page 399: 67, 69-77 (ALL)		
70	4/28/17	Fri	Consumer Mathematics	Loans/Revolving Debt Charges and Capital Recovery	Sec 8.3 and Instructor Handout(s)	Page 405-407: 1-11 (odds), 14, 19-20, 21-23, 31, 37, 39	Compound Interest Quiz	
71	5/1/17	Mon	Consumer Mathematics	Inflation / Doubling	Sec 8.3-8.4	Instructor Problems		
72	5/2/17	Tue	Consumer Mathematics	Investing (annuities) and Basic Financial Formulas	Sec 8.4 / Instructor Handouts	Pages 413-416: 3-4, 13-14, 17-18, 21-22, 27-28, 32, 34, 51, 52		
73	5/3/17	Wed	Consumer Mathematics	Future/Present Value (compare investments)	Instructors Notes / Handouts	Instructor Problems		
74	5/4/17	Thu	Consumer Mathematics	Amortization Schedule	Sec 8.5	Pages 422-424: 3-4, 11-12, 15-16, 21, 25, 33, 49-50		
75	5/5/17	Fri	Consumer Mathematics	Unit Review	All Chapter 8 and Instructor Handouts	All previous Unit assignments		
	5/8/17	Mon						SNOW make-up day (if needed)
76	5/9/17	Tue	Consumer Mathematics	Unit Exam	All Chapter 8 and Instructor Handouts	All previous Unit assignments		
77	5/10/17	Wed	Numeration Systems	Evolution of Numeration Systems / Our Binary System	Sec 5.1	None		Delayed Start
78	5/11/17	Thu	Numeration Systems	Origin of Our System / Binary System	Instructors Notes / Handouts	Instructor Problems		
79	5/12/17	Fri	Numeration Systems	Different Cultures and Conversions	Sec 5.1	Page 198: 1-53 (odds)		
80	5/15/17	Mon	Numeration Systems	Add / Subtract in Different Cultures	Sec 5.1	Pages 199-200: 63-71 (odds), 72, 78		
81	5/16/17	Tue	Numeration Systems	Place Value Systems	Sec 5.2	Pages 207-208: 1-53 (odds), 67-68	Numeration in other cultures quiz	
82	5/17/17	Wed	Numeration Systems	Counting / Calculating in Differing Bases	Sec 5.3	Pages 219-220: 1-53 (odds)		
83	5/18/17	Thu	Numeration Systems	Calculating in Differing Bases - Continued	Sec 5.3	Pages 219-220: 55-83 (odds)	CL - 5 due. Send as email attachment to mheinen_1@msn.com	
84	5/19/17	Fri	Numeration Systems	Modular Systems	Sec 5.4 and Instructor Handouts	Pages 227: 1,3,5,9, 17,19,25,30,33,34,39-40	See application of Modulo Arithmetic in RSA encryption. Visit: http://sergematovic.tripod.com/rsa1.html	
85	5/22/17	Mon	Numeration Systems	Unit Exam	All Chapter 5 and Instructor Handouts	All previous Unit assignments		
86	5/23/17	Tue		Semester Course Review	Review Key Materials			
87	5/24/17	Wed		Semester Exam	All Course Material			End of 4th Quarter
88	5/25/17	Thu					Turn in texts, course critique	Last 1/2 day - Graduation
	5/26/17	Fri						End of quarter flex day