

Introduction to Statistics and Co-requisite Support Course Sample Timeline
Adapted from and with thanks to Roane State Community College

Day	Co-requisite Notebook Topics	On-line Lab	<i>Essentials of Statistics</i> Triola 5 th ed.		MyLabs Plus Assignment
0	Orientation, study skills, time management	0		Orientation	0
1	Whole numbers: place value, rounding, estimating, problem solving, variable expressions	1	1.1 – 1.2	Orientation; introduction to statistical terms and statistical thinking	1
2	Must have TI-83/84 Calculator! Exponents, square roots, fractions, order of operations	2	1.3 – 1.4	Types of data; collecting sample data	2
3	Decimals, ratios, percent, conversions	3	2.2 – 2.3	Frequency distributions; histograms	3
4	Applications of percent	4	2.4	Graphs that enlighten and graphs that deceive	4
5	Operations on real numbers, scientific notation	5	3.2	Measures of center	5
6	Review of types of data, sampling methods, types of graphs	6	3.3 – 3.4	Measures of variation; measures of relative standing and boxplots	6
7	Review of measures of center and variation	7	Practice Test 1		
8	Comprehensive review of chapters 1 – 3 & basic skills	8	Test 1		
9	Review basic skills and concepts of probability	9	4.1 – 4.2	Basic concepts of probability	7
10	Review fractions, complements, contingency tables	10	4.3 – 4.5	Probability rules: addition, multiplication	8
11	Probability distributions, discrete vs. continuous, Inequalities	11	5.2	Probability distributions	9
12	Discrete probability distributions, maximum and minimum usual values	12	5.3 – 5.4	Binomial distributions; parameters	10
13	Review of probability and discrete probability distributions	13	Practice Test 2		

14	Comprehensive review: chapters 4 – 5 & basic skills	14	Test 2		
15	Area of a rectangle, lower/upper boundaries of regions, identify specified area under a curve, shade the area representing a percentile	15	6.2 – 6.3	Standard normal distribution; applications	11
16	Uniform distribution, standard normal curve, find z-scores, find critical values, determine type of problem	16	6.5	Central Limit Theorem	12
17	Probability/proportion/percent, calculate critical values, deconstruct intervals, identify parts of proportion problems	17	7.2	Estimating a population proportion	13
18	Find the best point estimate, calculate CI estimate for proportion, determine the required sample size	18	7.3	Estimating a population mean	14
19	Review of normal probability distributions and confidence intervals	19	Practice Test 3		
20	Comprehensive review: chapters 6 – 7 and basic skills	20	Test 3		
21	Coordinate system, intercepts, graph lines, compare & round decimals	21	8.2	Basics of hypothesis testing	15
22	Slope from graph & points, average rate of change, \hat{p} , x and n	22	8.3	Testing a claim about a proportion	16
23	Concepts of slope and analyzing linear relationships	23	8.4	Testing a claim about a mean	17
24	Scattergrams and concepts of linear equations	24	10.2 – 10.3	Correlation; regression	18
25	Review statistical concepts: hypothesis testing, correlation, regression	25	Practice Test 4		
26	Comprehensive review of chapters 8 & 10 and basic skills	26	Test 4		
27	Review statistical concepts: all chapters	27	Practice Final		
28	Comprehensive review: all chapters	28	Final Exam		