

MATH 2200 ELEMENTARY STATISTICS

Suggested Assignments and Certification Dates from *Beginning Statistics* by Warren, Denley, & Atchley

Updated August 2010

Lesson	Textbook Reading	Textbook Assignment	Certification Due Date***
1.1 Getting Started	pp. 4 -8	p. 9 ,# 1 to 29 odd	08/27
1.2 Data Classification	pp. 12- 16	p. 17, # 1 to 23 odd	08/27
1.3 The Process of a Statistical Study	pp. 19 - 26	p. 27, #1 – 37 odd	08/27
1.4 The Reality of Conducting a Study	pp. 30 - 32	p. 32, # 1 – 15 odd	none
Chapter 1 Review	pp. 34 - 37	p. 36 # 1 - 15 all	08/27
2.1 Frequency Distributions	pp. 44-52	p. 53, # 1 – 17 odd	09/08/
2.2a Graphical Displays of Data: Pie Charts and Bar Graphs	pp. 59 - 70	p. 70, # 1 – 23 odd	09/08
2.2b Graphical Displays of Data: Histograms, Polygons, Stem and Leaf Plots	pp. 59 - 70	p. 70, # 1 – 23 odd	09/08
2.3 Analyzing Graphs	pp. 79-83	p. 84, #1 -17odd	09/08
Chapter 2 Review	pp. 86 - 91	p. 86 # 1 - 12 all	09/08
3.1 Measures of Center	pp. 104-110	p. 110, #1 – 25 odd	09/20
3.2 Measures of Dispersion	pp. 114-123	p.124, # 1-27odd, 28-6 all	09/20(3a & 3b)
3.3 Measures of Relative Position	pp. 129-136	p.137, # 1-21 odd	09/20
Chapter 3 Review	pp. 140 - 142	p. 142,#1 to 7 all	09/20
4.1 Classical Probability	pp. 152-158	p. 159, # 1-25 odd	10/01
4.2 Probability Rules	pp. 162-171	p. 171, # 1-37 odd	10/01
4.3 Basic Counting Rules	pp.175-181	p.181, # 1-51 odd	10/01
4.4 Additional Counting Techniques	pp.185-188	p.189, #1 – 11 odd	10/01
Review Chapter 4	pp.188	p.189, #1 – 11 odd	10/01
5.1 Expected Value	pp.202-208	p. 209, # 1-17 odd	10/15
5.2 Binomial Distribution	pp. 212-217	p. 218, # 1-25 odd	10/15
5.3 Poisson Distribution		omit	none
5.4 Hypergeometric Dist		omit	none
6.1 Introduction to the Normal Curve	pp. 248 - 254	p. 254, # 1-25 odd	10/18

6.2 Reading a Normal Curve Table	pp. 257 - 264	p. 264, # 1-39 odd	10/18
6.3 Finding Probabilities Using the Normal Curve	pp.266 - 269	p.279 , # 1-11 odd	10/18
6.4 Finding z-Values using the Normal Curve	pp.273 - 277	p. 278, #1 – 25 odd	10/25
Lesson	Textbook Reading	Textbook Assignment	Certification Due Date
6.5 Finding t-Values	pp. 280 - 285	p. 285 # 1 to 23 odd	10/25
Chapter 6 Review	pp. 287 --290	p 289 # 1 -20 all	10/25
7.1 Central Limit Theorem	pp. 300-303	p. 303 # 1-19 odd	none required
7.2 Central Limit Theorem with Population Means	pp. 306-310	p. 310 # 1 - 29 odd	11/2
7.3 Central Limit Theorem with Population Proportions	pp. 314-318	p,. 318 # 1-15 odd	11/2
7.4 Approximating Binomial Using Normal Distribution	pp. 320 -329	p. 329, # 1-30 odd	11/2
Chapter 7 Review	pp. 333-334	p.335 # 1-18 all	11/2
10.1 Fundamentals of Hypothesis Testing	pp. 468-473	p. 473, # 1 - 21 odd	11/23
10.2 Hypothesis Testing for Means (Small Samples)	pp. 477-484	p. 485 # 1 - 27 odd	11/23
10.3 Hypothesis Testing for Means (Large Samples)	pp.488- 497	p. 497 # 1-29 odd	11/30
10.4 Hypothesis Testing for Population Proportions	pp. 500 - 505	p. 505 # 1-11 odd	11/30
10.5 Types of Errors	pp. 508-511	p. 512 # 1- 11 odd	none
10.6 Hypothesis Testing about a Population Variance	pp. 514-520	p. 520 # 1-15 odd	11/30
11.6 ANOVA	pp. 619 -626	p. 626 # 1 -15 all	12/6
12. 1 Scatter Plots and Correlation	pp. 664 - 676	p. 676 # 1-19 odd	12/6
12.2 Linear Regression	pp. 680 - 687	p. 687 # 1 - 8 odd	12/6
12.3 Regression Analysis	pp.689 - 699	p. 669 # 1 - 7odd	12/6

Chapter 8 is optional, but is covered in the online course.

Lesson	Textbook Reading	Textbook Assignment	Certification Due Date
8.1 Introduction to Estimating Population Means	pp. 346 - 352 Note Figure 2b on page 350	p. 352 # 1 - 21 odd	11/17
8.2 Estimating Population Means (Large Samples)	pp. 355 - 360	p. 560 # 1 - 23 odd	11/17

8.3 Estimating Population Means (Small Samples)	pp. 363 - 365	p.366 # 1 - 19 odd	11/17
Lesson	Textbook Reading	Textbook Assignment	Certification Due Date
8.4 Estimating Population Proportions	pp. 368 - 372	p. 373 #1 -17 odd	11/17
8.5 Estimating Population Variance	pp. 375 -379	p. 380 # 1 - 27 odd	11/17
Chapter 8 Review	pp. 383-384	p. 385 # 1 - 11 odd, 12 - 17 all	11/17

**\* \* \* Certification Due Dates are based on the assumption that Chapter 8 will be covered after Chapter 7.**

**If an instructor decides not to cover Chapter 8, then more time may be allotted for Chapters 7 to 12.**

**In addition, the sample dates are shown for the fall semester.**

**Projects are highly recommended as part of the course structure.**