

SYLLABUS--MATHEMATICS 35 Business Statistics

Text: Statistics for Management and Economics, 6th Ed. Keller/Warrack Duxbury Press
ISBN 0-534-39188-5

Instructor Materials: Instructor Suite CD; Instructor's Solution Manual; Test Bank

Ancillary Student Materials Available in the Chabot Bookstore: Student Solutions Manual

This course has a REQUIRED Computer Lab component-Excel or Minitab may be used. The text comes with a CD containing 1) A statistical add-In package for Excel and 2) data files in both Excel & Minitab formats.

Note: The first section and last section of each chapter are a brief introduction and a brief summary respectively of the chapter.

Chapter 1: WHAT IS STATISTICS?

1.1	1.2	1.3	1.4	1.5	1.6	1.A (Excel)	1.B (Minitab)
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TOTAL HOURS: 1 This should be a reading assignment. Cover 1.A or 1.B but not both.

Chapter 2: GRAPHICAL DESCRIPTIVE STATISTICS

2.1	2.2	2.3	2.4	2.5	2.6	2.7
-	1	1.5	.5	1.5	.5	-

TOTAL HOURS: 5

Chapter 3: ART AND SCIENCE OF GRAPHICAL PRESENTATIONS

3.1	3.2	3.3	3.4	3.5
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TOTAL HOURS: 1 This should be a reading assignment for discussion.

Chapter 4: NUMERICAL DESCRIPTIVE TECHNIQUES

4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8
-	1	1	1	2	.5	.5	-

TOTAL HOURS: 6

Chapter 5: DATA COLLECTION AND SAMPLING

5.1	5.2	5.3	5.4	5.5	5.6
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TOTAL HOURS: 1 This should be a reading assignment for discussion.

Chapter 6: PROBABILITY

6.1	6.2	6.3	6.4	6.5	6.6	6.7
-	.5	1	1	1.25	.25	-

TOTAL HOURS: 4

Chapter 7: RANDOM VARIABLES AND DISCRETE PROBABILITY DISTRIBUTIONS

7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8
-	1	.5	1*	Omit	1.5	Omit	-

TOTAL HOURS: 4

*Cover lightly

Chapter 8: CONTINUOUS PROBABILITY DISTRIBUTIONS

8.1	8.2	8.3	8.4	8.5	8.6
-	.5	2	Omit	2.5	-

TOTAL HOURS: 5

Chapter 9: SAMPLING DISTRIBUTIONS

9.1	9.2	9.3	9.4	9.5	9.6
-	1.5	1.5	1	.5	-

TOTAL HOURS: 4.5

Chapter 10: INTRODUCTION TO ESTIMATION

10.1	10.2	10.3	10.4	10.5
-	.5	1.5	.5	-

TOTAL HOURS: 2.5

Chapter 11: INTRODUCTION TO HYPOTHESIS TESTING

11.1	11.2	11.3	11.4	11.5	11.6
-	.5	2	.5*	.5	

TOTAL HOURS: 3.5

*Cover lightly

Chapter 12: INFERENCE ABOUT A POPULATION

12.1	12.2	12.3	12.4	12.5	12.6
-	1.5	1	1.5	Omit	-

TOTAL HOURS: 4

Chapter 13: INFERENCE ABOUT COMPARING TWO POPULATIONS

13.1	13.2	13.3	13.4	13.5	13.6	13.7
-	2.5	.5	2	2	2	-

TOTAL HOURS: 9

Chapter 14: STATISTICAL INFERENCE: REVIEW OF CH 12 & CH 13

14.1	14.2
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TOTAL HOURS: 0 Reading assignment.**Chapter 16: CHI-SQUARED TESTS**

16.1	16.2	16.3	16.4	16.5	16.6
-	2	2	.5	Omit	-

TOTAL HOURS: 4.5

Chapter 18: SIMPLE LINEAR REGRESSION AND CORRELATION

18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	18.10
-	.5	1.5	.5	1.5	Omit	1.5	1.5	Omit	-

TOTAL HOURS: 7

TOTAL HOURS: 63Possible Exam Schedule:

Exam 1 Chapters 1 - 5
Exam 2 Chapters 6 -9
Exam 3 Chapters 10 -12
Exam 4 Chapters 13, 14, & 16

Final Exam: Comprehensive Exam, including Chapter 18

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