

**MATH-1140 FALL 2013      STATISTICS FOR BUSINESS**

Instructor: MAURICE J DUPRE

Office: Gibson Hall 309 A

Office Hours: Monday and Wednesday 9am-11am or by appointment

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Lectures: JONES HALL 204 from 2pm-2:50pm

**LABORATORY**

**MATH-1140 SECTION 03**

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Office Hours: ?

Meets 8:00 am Thursday in **Jones Hall 108**

**MATH-1140 SECTION 4**

TA: LI, HUI

Office: Gibson Hall 415 G

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E-Mail: hli15@tulane.edu

Office Hours: ?

Meets 9:30 am Thursday in **Jones Hall 108**

Materials: Your textbook: Statistics for Business and Economics, McClave, Benson and Sincich Prentice Hall Publisher, 12th Edition

Calculator: Students are required to have a simple scientific calculator. Graphing calculators are specifically not allowed.

**Students are expected to have a laptop computer with a fully functional version of Microsoft Excel for Windows**

### **TEST DATES**

TEST 1: WEDNESDAY, September 18, 2013

TEST 2: WEDNESDAY, October 2, 2013

TEST 3: WEDNESDAY, November 6

FINAL EXAM\*: Tuesday, December 17, 8:00 until noon

\*Note that the FINAL EXAM will not be held in JONES 204. I will announce the room assignment for the FINAL EXAM in the last two weeks of the semester.

### **COVERAGE**

Chapter 1: §§2, 3, 5, 6

Chapter 2: §§1, 2, 3, 4, 5, 6, 7, 8

Chapter 3: §§1, 2, 3, 4, 5, 6,

Chapter 4: §§1, 2, 3, 4 (hypergeometric only), 5, 6.

Chapter 5: §§1, 2, 3, 4

Chapter 6: §§1, 2, 3, 4.

Chapter 7: §§1, 2, 3, 4, 5, 6.

Chapter 8: §§1, 2, 3, 4.

Chapter 12: §§1, 2, 3, 4 via Microsoft Excel .

## GRADE

Homework = 10%

Quizzes =10%

There will be three one-hour in class TESTS

One-Hour TEST Grade Average = 50%

There will be a **comprehensive** FINAL EXAM=30%

## EXERCISES

Chapter 1: 14, 15, 16, 17

Chapter 2: 1, 2, 3, 7, 9, 19, 20, 23, 24, 26, 35, 36, 39, 40, 43, 44, 49, 57, 58, 66, 66, 72, 74, 79, 81, 90, 91, 97, 106, 118, 121, 122, 128.\*

Chapter 3: 1, 2, 3, 4, 5, 6, 7, 13, 15, 16, 18, 28, 29, 30, 31, 33, 39, 44, 49, 50, 55, 58, 60, 68, 71, 75.\*

Chapter 4: 11, 12, 13, 14, 15, 18, 22, 40, 41, 43, 44, 50, 51, 56, 63, 64, 67, 72, 77, 84, 85, 86, 87, 88, 89, 91, 92, 93, 94, 100, 110, 116.\*

Chapter 5: 1, 8, 9, 16, 17, 18, 19, 20, 21, 24, 25, 28, 36, 37, 38, 42, 44, 47, 48\*

Chapter 6: 1, 2, 3, 4, 11, 15, 16, 23, 25, 26, 27, 33, 35, 36, 41, 42, 43, 44, 47, 48, 49, 54.\*

Chapter 7: 9, 11, 12, 13, 16, 19, 20, 21, 29, 30, 31, 34, 44, 39, 48, 51, 53, 55, 58, 64, 65, 67, 73, 77\*

Chapter 8: 2, 6, 7, 10, 11, 17, 18, 23, 27, 28, 30, 37, 39\*

Chapter 12: Students should use Microsoft Excel printouts to do these exercises: 3, 4, 17, 21, 24, 25, 26, 33 (parts a and b only).

## EXEL TOPICS COVERED

### **Insert Function**

Median

Mean

Sample standard deviation

Sample variance

Percentiles: there are many ways to give percentiles; we will compute percentiles as Excel does.

Maximum

Minimum

## **Graphs and Charts**

### **Categorical Data**

Pie Charts (categorical)

Bar Charts and column charts (categorical)

Pivot Tables

### **Quantitative Data**

Summary Statistics

Histogram (we use Excel convention for the endpoints)

Frequency Distributions

Relative Frequency Distributions

Scatter Diagrams (including the trend line)

Regression Reports (Chapter 12)