

**MATH-1140 SYLLABUS 2016 SPRING**  
**PROBABILITY AND STATISTICS FOR BUSINESS**

**INSTRUCTOR:** MAURICE J. DUPRE'

**OFFICE:** 309A GIBSON HALL

**OFFICE HOURS:** MONDAY 3-6PM & BY APPOINTMENT

E-Mail: mdupre@tulane.edu

**LECTURE MEETINGS:** Room 204 JONES MWF 1:00-1:50

**LABORATORY MEETINGS**

**SECTION 1 TA: Ozden LAB MEETINGS: Thursday 8am – 9:15am, NH 18**

E-Mail: sozden@tulane.edu

**SECTION 2 TA: Zhe LAB MEETINGS: Tuesday 9:30am – 10:45am, GI 126A**

E-Mail: zqu2@tulane.edu

**SECTION 3 TA: Ozden LAB MEETINGS: Tuesday 9:30am – 10:45am, GI 310**

E-Mail: sozden@tulane.edu

**TEXTBOOK:** Statistics for Business and Economics, McClave, Benson and Sincich Prentice Hall Publisher, 12th Edition

**CALCULATORS: NOT ALLOWED.**

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

**You are responsible for material covered in lectures and labs beyond what will be covered in the textbook on both texts and quizzes.**

**There will be a quiz at the end of each lab meeting.**

**THERE MAY BE SURPRISE QUIZZES IN THE LECTURE AT ANY TIME.**

**MAJOR QUIZZES IN LECTURE WILL BE WITH ADVANCE NOTICE**

**TEXTBOOK 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 .

## **EXAM DATES**

**FINAL EXAM\*: MONDAY 2 MAY 2016 FROM 8AM TO NOON.**

**\*Note that the FINAL EXAM MIGHT NOT be held in our usual lecture meeting room . I will announce the room assignments for the final exam during the last two weeks of the semester.**

## **GRADE**

**COMPREHENSIVE FINAL EXAM=30%**

**MAJOR LECTURE QUIZZES = 30%**

**SURPRISE LECTURE QUIZZES = 20%**

**LAB QUIZZES = 20%**

## EXERCISES FROM TEXTBOOK

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).

**IN ADDITION THE PRACTICE TEST PROBLEMS on the MATH-1110 page of my website will be covered.**

### Excel Topics to be 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)