

MATH-1140 SYLLABUS 2014 FALL
PROBABILITY AND STATISTICS FOR BUSINESS

INSTRUCTOR: MAURICE J. DUPRE'

OFFICE: 309A GIBSON HALL

OFFICE HOURS: MWF 9:30AM-11:15AM & BY APPOINTMENT

E-Mail: mdupre@tulane.edu

LECTURE MEETINGS: Room 104 BOGGS MWF 2:00-2:50

LABORATORY MEETINGS

TA: M. JENSEN

E-Mail: mjensen1@tulane.edu

SECTION 3 LAB MEETINGS: THURSDAY 8AM-9:15AM BOGGS 105

SECTION 4 LAB MEETINGS: THURSDAY 9:30AM-10:45AM GIBSON HALL 126

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

You are responsible for material covered in lectures 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.

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

EXAM 1: Wednesday, October 8

EXAM 2: Wednesday, November 12

FINAL EXAM*: Thursday 11 DECEMBER 8 AM – 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

QUIZZES =10%

The will be TWO 40 MINUTE LECTURE TESTS

LECTURE TEST Exam Grade Average = 60%

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).

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)