

MATH 1140 SYLLABUS 2012 FALL
PROBABILITY AND STATISTICS FOR BUSINESS

INSTRUCTOR: Maurice J. Dupre'

OFFICE: Gibson Hall Room 309A

OFFICE HOURS: MWF 9AM-10AM & AFTERNOONS BY APPOINTMENT

EMAIL: mdupre@tulane.edu

Telephone: 504-862-3430

TEACHING ASSISTANT: ALEXEJ GOSSMANN

OFFICE: Gibson Hall Room 416 Desk D

EMAIL: agossman@tulane.edu

TELEPHONE: 504-862-3461

LECTURES: MWF 11AM BOGGS ROOM 243

LABORATORY MEETINGS: TUESDAY RICHARDSON HALL ROOM 113B

SECTION 1: 8AM

SECTION 2: 9:30 AM

MATERIALS: Your textbook: Statistics for Business and Economics, McClave, Benson and Sincich
Prentice Hall Publisher, Eleventh Edition

CALCULATOR: Students are required to have a simple scientific calculator. Graphing calculators are specifically NOT ALLOWED ON TESTS AND QUIZZES.

STUDENTS MUST HAVE a laptop computer with a fully functional version of Microsoft Excel for Windows, the version of Excel for Apple computers is NOT SUFFICIENT.

COVERAGE:

STUDENTS ARE RESPONSIBLE for material covered in lecture as well as AND IN ADDITION TO material covered in lab as well as AND IN ADDITION TO the following material from the textbook:

CHAPTER 1: §§2, 3, 5, 6

CHAPTER 2: §§1, 2, 3, 4, 5, 6, 7, 8, 9

CHAPTER 3: §§1, 2, 3, 4, 5, 6,

CHAPTER 4: §§1, 2, 3, 4 (hypergeometric only), 6, 10, 11

CHAPTER 5: §§1, 2, 3, 4

CHAPTER 6: §§1, 2, 3, 4, 5, 6

CHAPTER 7: §§1, 2, 3, 4

CHAPTER 11: §§ Microsoft Excel

GRADING

FINAL EXAM: 30%

TESTS: 50%

HOMEWORK: 10%

QUIZZES: 10%

THERE WILL BE TWO OR POSSIBLY THREE ONE HOUR EXAMS IN LECTURE CLASS

AVERAGE OF One-Hour Exam Grade= 50%

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

TEST DATES

TEST 1: Wednesday 6 FEBRUARY

TEST 2: Wednesday 27 FEBRUARY

TEST 3: Wednesday 10 APRIL

FINAL EXAM*: Friday 3 MAY 8:00 until NOON

*Note that the final exam MIGHT NOT BE HELD IN THE REGULAR LECTURE ROOM. I will announce the room assignment for the final exam in the last two weeks of the semester.

THERE ARE NO MAKE UP EXAMS. In the event a student has a valid excuse for missing an exam, the grade will be determined on the basis of the remaining exams and the final exam.

THERE ARE NO MAKE-UP QUIZZES AND HOMEWORK IS NOT ACCEPTED LATE. A certain number of Homework and quiz grades will be dropped at the end of the semester.

EXERCISES

Chapter 1: 14, 15, 16, 17

Chapter 2: 1, 2, 3, 5, 9, 17, 18, 19, 20, 24, 33, 37, 38, 42, 44, 45, 46, 52, 57, 58, 64, 66, 72, 74, 77, 80, 88, 89, 94, 98, 103, 106, 115, 123, 124.

Chapter 3: 1, 2, 3, 4, 5, 6, 7, 13, 16, 17, 26, 27, 28, 29, 31, 37, 39, 44, 47, 48, 53, 58, 65, 66, 68, 73, 76, 77.

Chapter 4: 11, 12, 13, 14, 16, 21, 36, 37, 39, 40, 46, 47, 79, 80, 81, 82, 83, 84, 85, 87, 88, 89, 90, 92, 104, 156, 164, 165, 166, 167, 171, 172, 173

Chapter 5: 1, 2, 3, 4, 12, 16, 21, 23, 24, 26, 30, 31, 32, 37, 38, 39, 40, 41, 42, 43, 48

Chapter 6: : 9, 11, 13, 19, 20, 22, 23, 32, 35, 38, 40, 48, 53, 55, 58, 64, 65, 67, 73, 75

Chapter 7: TBA

Chapter 11:

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)