

MATH-1140 SYLLABUS 2017 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 102 JONES MWF 1:00-1:50

LABORATORY MEETINGS

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

E-Mail: smajhi@tulane.edu

SECTION 2 TA: Majhi LAB MEETINGS: Tuesday 9:30am – 10:45am, MA 200B

E-Mail: smajhi@tulane.edu

SECTION 3 TA: Vandusen LAB MEETINGS: Thursday 9:30am – 10:45am, MA 200B

E-Mail: kvanduse@tulane.edu

There will be a quiz at the end of each lab meeting AND AT ANY TIME DURING LECTURES.

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

MAJOR QUIZZES IN LECTURE WILL BE WITH ADVANCE NOTICE

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.

Students are expected to have a MyStatLab Account. Homework exercises will be submitted to MyStatLab.

EXAM DATES

MAJOR QUIZ 1: In Lab in Week beginning Monday 20 February 2017.

MAJOR QUIZ 2: In Lab in Week beginning Monday 20 March 2017.

MAJOR QUIZ 3: In Lab in Week beginning Monday 10 April 2017

FINAL EXAM*: MONDAY 8 MAY 2017 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.**

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 .

GRADE

COMPREHENSIVE FINAL EXAM=30%

MAJOR QUIZZES = 50%

HOMEWORK = 10%

MINOR QUIZZES = 10%

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)