

MATH 4611-6611 Introduction to Applied Statistics
Professor Lih-Yuan Deng, DH 219, 678-3134
Fall, 2015
Time: 02:20pm-03:45pm, M, W
Room: **DH 225**

(A) Course Contents:

1. Describing data with graphs
2. Describing data with numerical measures
3. Describing bivariate data
4. Probability and probability distributions
5. Several useful discrete distributions
6. The normal distributions
7. Sampling distributions
8. Large-sample estimation
9. Large-sample tests of hypotheses
10. Inference from small samples

(B) Office Hours:

- 10:30am-12pm TR (DH 219) or by appointment by email (lihdeng@memphis.edu).

(C) Textbook:

- “*Introduction to Probability and Statistics*”, **14th** edition, Mendenhall, Beaver and Beaver, ISBN-10: 1-133-10375-8, ISBN-13: 978-1-133-10375-2.
- It is OK to use its **13th** edition, ISBN-10: 0-45-3895-6, ISBN-13: 978-0-4958953-8.

(D) Grading: Course grade will be based on:

1. Two Mid-term Exams **NO MAKEUP EXAMS.**
 - mid-term exam -1 Oct. 5, 2015 25 %
 - mid-term exam -2 Nov. 16, 2015 25 %
2. Final Exam (35%) The final exam is a comprehensive exam.
3. Home works and Class participation (15%)