

Math 576: Mathematical Statistics II Spring 2017

Instructor: Dr. Hailin Sang

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Office Hours: 2:00-3:00PM (MWF) (or by appointment)

Lecture Days: TuTh 12:30-1:45PM

Classroom: Hume 321

Text: Probability and Statistical Inference (Statistics: A Series of Textbooks and Monographs) by Nitis Mukhopadhyay. Reference: Introduction to Mathematical Statistics, 7th edition by Hogg, Mckean and Craig.

Prerequisite: Math 575 with minimum grade of C or talk to the instructor.

Course content: 1. Maximum Likelihood Methods and other Point Estimation 2. Sufficiency and Completeness 3. Confidence Intervals and Hypothesis Testing 4. Inference about Normal Models 5. ANOVA

Homework: The homework assignments will be assigned every two weeks. Late homework is not accepted for any reason. The lowest homework grade will be dropped.

Exams: There will be one midterm exam and the final exam. The exam questions will be similar in format to the examples in class and the homework problems. Students must show all work for each exam question and arrive at a correct answer in order to receive full credit. Any student who will miss the midterm exam because of an official University function must talk to me in advance.

Grading policy Homework: 25%, Midterm: 30%, Final Exam: 45%. The final grade will be based on the following scale: A: [90; 100] A- : [87; 90) B+ : [83; 87) B : [80; 83) B- : [75; 80) C+ : [70; 75) C : [65; 70) C- : [60; 65) D : [50; 60) F: below 50

Academic needs It is the responsibility of any student with a disability who requests a reasonable accommodation for tests to contact the Office of Student Disability Services (915-7128). Any requests must be made through this office prior to the date of the test.