SYLLABUS ***** STAT 467/667***** SPRING 2007

- **Course**: Stat 467/667: Statistical Theory (3 credits)
- **Catalog’s description**: Introduction to classical mathematical statistics. Multivariate probability distributions; sampling distributions related to the normal distribution; interval and point estimation; sufficiency, unbiasedness, and information inequality; Bayesian estimation; testing hypotheses; likelihood ratio tests; power calculations; linear models.
- **Prerequisites**: Math 283, Math 330, and either Math/Stat 352 or Math/Stat 461.
- **Class meetings**: TR 1:00 – 2:15, AB 634.
- **Instructor**: Dr. Anna K. Panorska
- **Office**: AB 607; Phone: (775) 784 6548; Email: ania@unr.edu
- **Office hours**: TWR 10 - 11, or by appointment.
- **Course content**: Selected sections from Chapters 3 and 5 - 11.
- **Attendance**: Not required but strongly recommended. You are responsible for the material presented in class.
- **Exams**: There will be two tests and a comprehensive final exam.
- **Final exam**: Thursday, May 10, 12 (noon) – 2 pm
- **Homework**: Homework will be assigned regularly and collected every Thursday.
- **Grading**: Homework: 20%, Tests: 25% each, Final: 30%.
- **You will be assigned at least an**
  - A if your score is between 90% and 100%;
  - B if your score is between 80% and 89%;
  - C if your score is between 70% and 79%;
  - D if your score is between 60% and 69%;
  - F if your score is below 60%.
- **Note**: Homework assignments/exams for undergraduate and graduate students will not differ in their quantity, and the same criteria will be used to evaluate the correctness of the solutions submitted by undergraduate and graduate students. However, assignments/exams for graduate students will include more advanced questions that would require deeper understanding of the material, and a higher level of “maturity” in the presentation will be expected from them.

Disability Statement

The Department of Mathematics and Statistics is committed to equal opportunity in education for all students, including those with documented physical disabilities or documented learning disabilities. University policy states that it is the responsibility of students with documented disabilities to contact instructors during the first week of each semester to discuss appropriate accommodations to ensure equity in grading, classroom experience and outside assignments. The instructor will meet with the student and staff members of the Student Services Center to formulate a written plan for appropriate accommodations, if required.

**HAVE A GOOD TERM!**