MAT 652 : Probability and Statistics II (Spring, 2014)

Course Description
The course will cover the central ideas of statistical inference: estimation (point and interval) and hypothesis testing. We learn how to find appropriate statistical techniques and how to evaluate these techniques in a general context first, and then consider some special cases. We plan to cover Chapters 5 to 9 in the textbook.

Instructor
Professor Pinyuen Chen
Physics Building 229 G
443-1577, 443-1471 (message)
Pinchen@syr.edu
Class time TTh 8:00 a.m. - 9:20 pm

Textbook
Statistical Inference, by George Casella and Roger L. Berger, 2nd edition, Duxbury

Grading Policy
Midterm Exam (30%), Final Exam (30%), Homework (40%)

Prerequisite
Calculus, MAT 651 or equivalent

References
**Academic Integrity**

The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it also governs the integrity of work submitted in exams and assignments as well as the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort. For more information and the complete policy, see [http://academicintegrity.syr.edu](http://academicintegrity.syr.edu)

**Disability**

Students who may need academic accommodations due to a disability are encouraged to discuss their needs with the instructor at the beginning of the semester. In order to obtain authorized accommodations, students should be registered with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498 and have an updated accommodation letter for the instructor. Accommodations and related support services such as exam administration are not provided retroactively and must be requested in advance.

For more information about services and policy, see [Office of Disability Services](http://www.syr.edu/disabilityservices)

**Syracuse University**

**Office of Disability Services**

804 University Avenue Room 309

Syracuse, New York 13244-2330

Phone: Voice: (315) 443-4498

TDD: (315) 443-1371

E-Mail: odssched@syr.edu