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Statistics 6802  
Statistical Theory II  
Spring 2017

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CONTACT INFORMATION

**Lecturer** Radu Herbei, Ph.D.

[herbei@stat.osu.edu](mailto:herbei@stat.osu.edu)

Office hours: 223 Cockins Hall, M: 12:00pm - 1:00pm, W: 11:30:am - 12:30pm.

CLASS INFORMATION

**Location:** Lecture: MWF 8:50m – 10:05pm, JR0353.

**Website:** <http://osu.instructure.com/>

**Required text** *Statistical Inference*, Second Edition, by G. Casella and R.L. Berger,  
©2002 The Wadsworth Group.

Please read these books as the course progresses, as I will not cover everything in class.

COURSE DESCRIPTION AND OBJECTIVES

Statistics 6802 is the second part of the Statistical Theory sequence, intended primarily for students in the PhD program in Statistics and Biostatistics. In this course, students will learn about estimation, hypothesis testing, confidence intervals and some elements of decision theory.

PREREQUISITES

STAT 6801 or permission of instructor.

EVALUATION

Homework – 20%, Midterm exam I – 25%, Midterm exam II – 25%, Final exam – 30%.

HOMEWORK

Homework will be assigned regularly, however it will not be collected for grading, rather, we will have weekly short quizzes. For each quiz, I will randomly select a few problems from the latest homework assignment.

MIDTERMS AND FINAL EXAM

There will be two **midterms** and one **final exam**. All exams are in-class and closed book/notes. The final exam will be comprehensive.

**Midterm I** will be on **Friday, February 10, 2017** in class.

**Midterm II** will be on **Friday, March 10, 2017**, in class.

The **Final exam** will be on **Friday, April 28, 2017, 10:00am – 11:45am**, in class.

#### ATTENDANCE POLICY

It is strictly required to attend all the classes. It is the student's responsibility to make up for the material covered in class during any absence.

#### SPECIAL ACCOMMODATIONS

If you need any accommodations based on the impact of a documented disability, contact the instructor privately to discuss specific needs, within a week. You should also contact the Office of Disability Services to coordinate special accommodations.

#### ACADEMIC MISCONDUCT

Academic misconduct **will not be tolerated** and will be dealt with procedurally in accordance with university policy.

#### DISCLAIMER

**This syllabus should be taken as a fairly reliable guide for the course content. However, you cannot claim any rights from it and in particular I reserve the right to change the methods of assessment. Official announcements will ALWAYS be those made in class.**