

**STAT 6801 STATISTICAL THEORY I**  
**AUTUMN SEMESTER 2019**

**Lecture:** MWF 8:50AM-10:05AM in Bolz Hall 314

**Instructor:**

Dena Asta  
Office: 317 Cockins Hall  
Office Hours: MW 10:10AM-11:10AM or by appointment  
Email: [dasta@stat.osu.edu](mailto:dasta@stat.osu.edu) or [asta.1@osu.edu](mailto:asta.1@osu.edu)

**Grader:**

Shuyi Wang  
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**Prerequisites:** Grad standing in Statistics or Biostatistics, or permission of instructor. Not open to students with credit for 6301 (610) or 620.

**Textbook:** *Statistical Inference* (Second Edition) by Casella and Berger.  
As time permits, we will cover most materials in the first 6 chapters of the book.

The textbook is on reserve in the Science and Engineering Library (SEL).

**Website:** The course has a web page on Canvas. You will find the class schedule, homework assignments, solutions, and other course announcements on the web page. Please check it on a regular basis.

**Tentative Course Schedule**

<u>Week</u>	<u>Sections</u>
1	1.1-1.2
2	1.3-1.6
3	1.6-2.1
4	2.2-2.4
5	2.4-3.2
6	3.2-3.3
7	3.4-3.5
8	3.6-4.2
9	4.2-4.4
10	4.4-4.5
11	4.6-4.7
12	5.1-5.3
13	5.3-5.4
14	5.4-5.5
15	6.1-6.3
16	6.3-6.4

## Grading

Your course grade will be based on homework assignments, two midterms, and a comprehensive final exam.

<b>Homework</b>	15%	(lowest grade dropped)
<b>Midterm I</b>	20%	tentatively on September 27th (Friday) in class
<b>Midterm II</b>	20%	tentatively on October 30th (Wednesday) in class
<b>Final</b>	45%	December 9th (Monday) 10:00-11:45AM

**Homework:** There will be approximately 9-11 assignments each containing 5-10 problems. Homework problems and solutions will be posted on Carmen. Answers without work will not receive full credit. No late homeworks will be accepted. Instead, your lowest homework grade will be dropped from the final homework average. Homework is due at the beginning of class.

**Exams:** No make-up exams will be given. The final exam will be cumulative, but will emphasize the more recent material. Exam rules will be announced in class.

## Academic Misconduct

Although students are encouraged to work together on assignments, each student must submit their own written work in his or her own words. Academic misconduct will not be tolerated and will be dealt with procedurally in accordance with University Rule ([oaa.osu.edu/procedures](http://oaa.osu.edu/procedures)).

## Special Accommodations

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone 292-3307, TDD 292-0901; <http://www.ods.ohio-state.edu>.