

STATISTICS 521

Room: 218 Cockins Hall

Spring 2006

1:30-2:48 p.m. MWF

- Lecturer:** Professor Mario Peruggia - 205A Cockins Hall, 292-0963
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- T.A.:** Ms. Yanxing Zhao - 305E Cockins Hall, 292-5373
e-mail: yxzhaostat.ohio-state.edu
- Text:** Rice, John (1995) Mathematical Statistics and Data Analysis, 2nd edition, Duxbury.
- Course Web Site:** Important announcements and course materials will be posted at:
www.stat.ohio-state.edu/~peruggia/courses/521/
- Office Hours:** Schedule to be announced. You may attend any of the two instructors' office hours.

Statistics 520/521 is a Data Analysis sequence in the Quantitative and Logical Skills category of the GEC. The goals and learning objectives for this category are:

Goals/Rationale: Courses in quantitative and logical skills develop logical reasoning, including the ability to identify valid arguments, use mathematical models, and draw conclusions based on quantitative data.

Learning Objectives: Data Analysis. Students understand statistics and probability, comprehend mathematical methods needed to analyze statistical arguments, and recognize the importance of statistical ideas.

Rules and Policies

Academic Misconduct: Please help us to maintain an academic environment of mutual respect, fair treatment, and personal growth. You are expected to produce original and independent work for quizzes and exams. Although students are often encouraged to work together on homework assignments, each student is to submit her/his written work in her/his own words. Academic misconduct will not be tolerated and will be dealt with procedurally in accordance with University Rule 3335-31-02. This policy can be found at <http://oaa.osu.edu/procedures/1.0.html>

Addressing Issues of Differing Abilities: Any students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. Students with documented disabilities must also contact the Office of Disability Services (ODS) in 150 Pomerene Hall (phone: 292-3307) to coordinate reasonable accommodations for the course. ODS forms must be given to the instructor as early in the quarter as possible to be filled out and returned to you.

Cell phones: Cell phones must be either turned off or put on vibrate during class, as cell phones ringing during class disrupt the learning process.

E-mail Correspondence: In order to protect your privacy, all course related E-mail correspondence must be done through a valid OSU name.number account. If you have not activated this email account, you can activate it at <https://acctmgt.service.ohio-state.edu/cgi-bin/KRB1EntryAdd>

Prerequisites: Math 254 or equivalent, Stat 520 or equivalent.

General: Statistics 521 covers Chapters 8, 9, 11, and selected topics from Chapter 10, 12, and 14 of the textbook. Students are responsible for all material covered in class, in assigned readings, and in homework problems.

Much of the material covered in this course builds on skills and concepts covered in Statistics 520 and early in the course. It is important to stay abreast of the course, and to ask questions or to seek assistance as soon as any problems arise.

Homework: Problem sets will be assigned and graded weekly. Solutions will be posted on the course web site.

Midterm Exams: Two midterm exams will be given on Friday, April 21, and on Friday, May 19, in lecture. One 8.5 × 11 inch sheet of paper, with whatever facts, formulas, or explanations you find helpful, may be brought to each exam. A calculator may be used. Cell phone calculators or PDAs with calculator and/or communication capabilities are not allowed.

Final Exam The comprehensive final examination will be on Wednesday, June 7, 1:30-3:18 p.m., in the lecture classroom. Two sheets of paper (as described for the midterms) may be brought to the exam. A calculator may be used. Cell phone calculators or PDAs with calculator and/or communication capabilities are not allowed.

Grades: The final numerical course grade will be determined according to the following scheme:

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| Homework (lowest grade will be dropped) | 10% |
| Midterm Exams | 50% |
| Final Exam | 40% |