

**The Ohio State University**  
**Colleges of the Arts and Sciences Course Change Request**

Statistics

Academic Unit

Statistics

620

Book 3 Listing (e.g., Portuguese)

Course Number

Summer      Autumn X      Winter      Spring      Year 2006

**Proposed effective date:** choose one quarter and put an "X" after it; and fill in the year. See the OAA curriculum manual for deadlines.

**A. Course Offerings Bulletin Information.** Follow instructions in the OAA curriculum manual. Before you fill out the "Present Course" information, be sure to check the latest edition of the *Course Offerings Bulletin* and subsequent Circulating Forms. You may find that the changes you need have already been made or that additional changes are needed. If the course offered is less than quarter or term, please also complete the Flexibly Scheduled/OffCampus/Workshop Request form.

**COMPLETE ALL ITEMS THIS COLUMN**

**Present Course**

1. Book 3 Listing: Statistical Theory I
2. Number: 620
3. Full Title: Statistical Theory I
4. 18-Char. Transcript Title: STATISTICAL THRY 1
5. Level and Credit Hours G
6. Description: Intro to probability, conditional probability, independence, random variables, distribution functions, transformations, moment generating function, common probability distributions; marginal and conditional distributions, sampling distributions; convergence concepts. (25 words or less)
7. Qtrs. Offered : Autumn
8. Distribution of Contact Time: 4 cl (e.g., 3 cl, 1 3-hr lab)
9. Prerequisite(s): Math 548. Not open to students with credit for 610.
10. Exclusion: (Not open to....)
11. Repeatable to a maximum of \_\_\_\_\_ credits.
12. Off-Campus Field Experience:
13. Cross-listed with:
14. Is this a GEC course?
15. Grade option (circle): Ltr X S/U P  
If P graded, what is the last course in the series?
16. Is an honors version of this course available? no
17. Other general course information:

**COMPLETE ONLY THOSE ITEMS THAT CHANGE**  
**Changes Requested**

- 1.
- 2.
- 3.
- 4.
5. U G
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.

**B. General Information**

1. Do you want the prerequisites enforced electronically (see the OAA manual for what can be enforced)?  
\_\_\_\_\_
2. Does this course currently satisfy any GEC requirement, if so indicate which category?  
\_\_\_\_\_
3. What other units require this course? Have these changes been discussed with those units?  
none
4. Have these changes been discussed with academic units that might have a jurisdictional interest in the subject matter? Attach relevant letters.  
\_\_\_\_\_
5. Is the request contingent upon other requests, if so, list the requests?  
no
6. Purpose of the proposed change. (If the proposed change affects the content of the course, attach a revised syllabus and course objectives and e-mail to [ascurofc@osu.edu](mailto:ascurofc@osu.edu).)  
\_\_\_\_\_
7. Please list Majors/Minors affected by the proposed change. Attach revisions of all affected programs. This course is (check one):  
 Required on major(s)/minor(s)       A choice on major(s)/minors(s)  
 An elective within major(s)/minor(s)       A general elective:  
 \_\_\_\_\_
8. Describe any changes in library, equipment or other teaching aids needed as a result of the proposed change or if the proposed change involves budgetary adjustments, describe the method of funding:  
none

**Approval Process** The signatures on the lines in ALL CAPS ( e.g. ACADEMIC UNIT) are required.

- |  |              |      |
|--|--------------|------|
| 1. Academic Unit Undergraduate Studies Committee Chair   | Printed Name | Date |
| 2. Academic Unit Graduate Studies Committee Chair  | Printed Name | Date |
| 3. <b>ACADEMIC UNIT CHAIR/DIRECTOR</b>   | Printed Name | Date |
| 4. After the Academic Unit Chair/Director signs the request, forward the form to the ASC Curriculum Office, 105 Brown Hall, 190 West 17 <sup>th</sup> Ave. or fax it to 688-5678. Attach the syllabus and any supporting documentation in an e-mail to <a href="mailto:ascurofc@osu.edu">ascurofc@osu.edu</a> . The ASC Curriculum Office will forward the request to the appropriate committee. |              |      |
| 5. <b>COLLEGE CURRICULUM COMMITTEE</b>   | Printed Name | Date |
| 6. <b>ARTS AND SCIENCES EXECUTIVE DEAN</b>   | Printed Name | Date |
| 7. Graduate School (if appropriate)  | Printed Name | Date |
| 8. University Honors Center (if appropriate)   | Printed Name | Date |
| 9. Office of International Affairs (study tours only)  | Printed Name | Date |
| 10. <b>ACADEMIC AFFAIRS</b>  | Printed Name | Date |

## STATISTICS 620 AUTUMN 2005

**Instructor:** Steve MacEachern

**e-mail:** snm@stat.ohio-state.edu

**web site:** www.stat.ohio-state.edu/~snm/620

**Office:** 205C Cockins Hall

**Office Hours:** Monday, 10:30 - 11:18; Wednesday 2:30 - 3:18

**Phone:** 292-5843

**Lectures:** MWF 1:00 - 2:18 DL0713

**Text:** *Statistical Inference, second edition, by George Casella and Roger L. Berger (Duxbury)*

**Grader:** Lei Kang

**e-mail:** kang.258@osu.edu

**Office:** Lord Hall, room 20

**Office Hours:** Friday, 9:00 - 10:30 am

**Phone:** Best way to contact is by email.

**Course Description:** Statistics 620 the first of a three quarter sequence on theoretical statistics. Stat 620 will cover probability—the material in Chapters 1 through 5 of Casella and Berger, with a few bits left out.

**Grading:** Course grades will be assigned on the basis of performance on homework, two quizzes, one midterm exam and the final exam.

Homework	20%
Quizzes	25%
Midterm	25%
Final	30%

All exams and quizzes will be closed book, closed notes. The midterm exam will be given in class. The exam is tentatively set for Friday, October 28. The date will be confirmed (or changes announced) in class. The date and time of the final exam is as scheduled in the main registration guide. It will be on **Tuesday, December 6, from 11:30 to 1:18pm.**

**Homework assignments:** Homework will be collected approximately weekly. **No late assignments will be accepted.** Solutions will be available on the course web site. Your lowest homework score will be dropped before computing your homework grade.

**Quizzes:** Two, 20-minute quizzes will be given in class on Monday, October 10 and Wednesday, November 16.

**Course web page:** There will be a course web page where you will find copies of the homework assignments and occasional other postings.