

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

Statistics

Academic Unit

Statistics

621

Book 3 Listing (e.g., Portuguese)

Course Number

Summer      Autumn      Winter X      Spring      Year 2007

**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 II
2. Number: 621
3. Full Title: Statistical Theory II
4. 18-Char. Transcript Title: Statistical Thry 2
5. Level and Credit Hours G 4
6. Description: Sufficiency, maximum likelihood estimation, minimum variance, unbiased estimation, Bayes estimation, decision theory  
(25 words or less)
7. Qtrs. Offered : winter
8. Distribution of Contact Time: 4 cl  
(e.g., 3 cl, 1 3-hr lab)
9. Prerequisite(s): STAT 620 or written permission of instructor
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?
17. Other general course information:

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

- 1.
- 2.
- 3.
- 4.
5. UG
- 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)?

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2. Does this course currently satisfy any GEC requirement, if so indicate which category?

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3. What other units require this course? Have these changes been discussed with those units?

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4. Have these changes been discussed with academic units that might have a jurisdictional interest in the subject matter? Attach relevant letters.

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5. Is the request contingent upon other requests, if so, list the requests?

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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 [asccurrofc@osu.edu](mailto:asccurrofc@osu.edu).)

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7. Please list Majors/Minors affected by the proposed change. Attach revisions of all affected programs. This course is (check one):
 

<input type="checkbox"/> Required on major(s)/minor(s)	<input type="checkbox"/> A choice on major(s)/minors(s)
<input type="checkbox"/> An elective within major(s)/minor(s)	<input type="checkbox"/> A general elective:

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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:

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

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|--|--------------|------|
| 1. Academic Unit Undergraduate Studies Committee Chair   | Printed Name | Date |
| 2. Academic Unit Graduate Studies Committee Chair  | Printed Name | Date |
| 3. <del>ACADEMIC UNIT CHAIR/DIRECTOR</del>   | 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:asccurrofc@osu.edu">asccurrofc@osu.edu</a> . The ASC Curriculum Office will forward the request to the appropriate committee. |              |      |
| 5. COLLEGE CURRICULUM COMMITTEE  | Printed Name | Date |
| 6. ARTS AND SCIENCES EXECUTIVE DEAN  | 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. ACADEMIC AFFAIRS   | Printed Name | Date |

WOLFE

STAT 621

WINTER 2006

**Meet:** MWF 8:30 – 9:48 a.m. in CH (Cockins Hall) 232

**Text:** *Statistical Inference* by George Casella and Roger L. Berger, 2<sup>nd</sup> Edition  
Published by Duxbury Press

**Office:** 425 Cockins Hall      **Office Hours:** 1:30 – 2:30 MWF or arranged  
time—or just stop by if I am in

**GRADING SCHEME:**      4 homework sets--worth a total of 20%  
2 quizzes--each worth 10%  
1 mid-term--worth 30%  
1 final exam--worth 30%

Homework will be collected in the lectures and **late homework (after that lecture has ended) will not be accepted.** Quizzes and examinations will be closed book - closed notes.

**TENTATIVE dates for the quizzes, midterm, and final exam (all in class):**

**Quiz #1 -- Wednesday, February 1    Quiz #2 -- Wednesday, March 1**  
**Midterm -- Wednesday, February 15**  
**Final Examination – Wednesday, March 15 , 7:30 - 9:18 am in CH 232**

#### **TENTATIVE HOMEWORK ASSIGNMENTS**

**Homework Set #1 -- Due Wednesday, January 25-- 5% of grade**  
6.1, 6.2, 6.3, 6.5, 6.6, 6.7, 6.8, 6.9, 6.13, and 6.14

**Homework Set #2 -- Due Wednesday, February 8 -- 5% of grade**  
6.15, 6.19, 6.20 (a,b,c), 6.21, 6.22, 6.24, 6.30, 6.31, 6.36, and 6.40

**Homework Set #3 -- Due Wednesday, February 22 -- 5% of grade**  
7.1, 7.4, 7.6, 7.7, 7.9, 7.10, 7.13, 7.19, 7.20, and 7.21

**Homework Set #4 -- Due Monday, March 6 -- 5% of grade**  
7.22, 7.23, 7.46, 7.49, 7.50, 7.52, 7.57, 7.66, 10.9, and 10.13

**Other problems may be assigned in class to work on, some of which you may also be required to hand in; however, you will definitely be responsible for the content of any such class problems on the quizzes and examinations.**

**Material to be Covered:** Sections 6.1, 6.2, 6.3.1, 7.1, 7.2, 7.3, 10.1, 10.2, plus additional topics discussed in class appropriate to evaluating properties of point estimators. If time, additional topics may be chosen from Sections 9.1, 9.2.2, 9.2.3, 9.2.4, 10.4.1, and 10.4.2.