

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

MAPS

Academic Unit

Statistics 662

Book 3 Listing (e.g., Portuguese)

Course Number

Summer Autumn Winter Spring X Year 2009

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: STAT
2. Number: 662
3. Full Title: Environmental Statistics
4. 18-Char. Transcript Title: Environmental Stat
5. Level and Credit Hours U G 03
6. Description: Environmental statistical methodologies applied to case studies; topics include the role of ecology, bioassay, risk, censoring, spatial statistics and hierarchical statistics.
(25 words or less)
7. Qtrs. Offered : Spring
8. Distribution of Contact Time: 2 1.5 hr cl, 3 labs arr/qtr.
(e.g., 3 cl, 1 3-hr lab)
9. Prerequisite(s): 530 or equiv.
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 S/U P
If P graded, what is the last course in the series?
16. a) Is an honors version of this course available? Y N X
b) Is an Embedded Honors version of this course available?
Y N
- c) Is this a Service Learning Course: Y N X
17. Other general course information:

COMPLETE ONLY THOSE ITEMS THAT CHANGE

Changes Requested

1. _____
2. _____
3. _____
4. _____
5. _____
6. Survey of statistical methods for environmental data, with a focus on applications. Topics include sampling, regression, censoring, risk analysis, bioassay, time series, and spatial statistics..
8. Distribution of contact time: 2 1.5 hr cl
9. graduate standing in statistics, or STAT 529, or GEOG 683, or GEOG 883.01, or equiv.
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. a) _____
b) _____
c) _____
17. _____

B. General Information

1. Do you want the prerequisites enforced electronically (see the OAA manual for what can be enforced)?
No

2. Does this course currently satisfy any GEC requirement? if so indicate which category.
No

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

4. Have these changes been discussed with academic units that might have a jurisdictional interest in the subject matter?
Attach relevant letters.
No

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 asccurrofc@osu.edu.)**
The course description has been slightly modified to more accurately reflect the material covered. Statistics 662 is now being taken by graduate students from outside of Statistics to fulfill the requirement of the new Graduate Interdisciplinary Specialization in Geospatial Data and Analysis (GSDA). In order to give GSDA students a better sense of the statistical background needed prior to enrolling in STAT 662, we propose broadening the list of suitable prerequisites to quantitative courses in the Department of Geography. In addition, STAT 529 is a more appropriate prerequisite than the currently listed STAT 530 prerequisite. Since the freely available R statistical software is used in the course, computer demonstrations can be incorporated into the lecture and students can complete computing assignments independently on their personal machines or in departmental/university computer labs. By eliminating the computer lab sessions, statistical computing can be better integrated into the curriculum.

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. If the proposed change involves budgetary adjustments, describe the method of funding:

CONTACT PERSON: Patty Shoults EMAIL: shoults.1@osu.edu PHONE: 2-7324

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

	Printed Name	Date
1. Academic Unit Undergraduate Studies Committee Chair		
2. Academic Unit Graduate Studies Committee Chair		
3. ACADEMIC UNIT CHAIR/DIRECTOR	<i>Douglas A. Wolfe</i> Douglas A. Wolfe	5/30/08
4. After the Academic Unit Chair/Director signs the request, forward the form to the ASC Curriculum Office, 4132 Smith Lab, 174 West 18 th Ave. or fax it to 688-5678. Attach the syllabus and any supporting documentation in an e-mail to asccurrofc@osu.edu . The ASC Curriculum Office will forward the request to the appropriate committee.		
5. COLLEGE CURRICULUM COMMITTEE		
6. ARTS AND SCIENCES EXECUTIVE DEAN		
7. Graduate School (if appropriate)		
8. University Honors Center (if appropriate)		
9. Office of International Affairs (study tours only)		

