

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

Department of Statistics

Academic Unit  
 Statistics

Book 3 Listing (e.g., Portuguese)  
 451 Statistical Foundations of Survey Research

Number	Title	Undergraduate	5
Stat Survey Rsrch		Level	Credit Hours
18-Character Title Abbreviation			

Summer      Autumn X      Winter      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 the instructions in the OAA curriculum manual. If this is a course with decimal subdivisions, then use one New Course Request form for the generic information that will apply to all subdivisions; and use separate forms for each new decimal subdivision, including on each form the information that is unique to that subdivision. If the course offered is less than a quarter or a term, please complete the Flexibly Scheduled/Off Campus/Workshop Request form.

Description (*not to exceed 25 words*): Study objectives; survey and sampling design, implementation, ethics. Statistical analysis of survey data including confidence intervals, hypothesis tests and model buiding. Interpretation, communication of results.

Quarter offered: Autumn      Distribution of class time/contact hours: 3 80-min sessions  
 Quarter and contact/class time hours information should be omitted from Book 3 publication (yes or no): No

Prerequisite(s): One introductory course in data analysis (such as Stat 135), and college algebra (Math 104 or equivalent).

Exclusion or limiting clause: Not available for credit to those who have taken Stat 651.

Repeatable to a maximum of credit hours: N/A

Cross-listed with: None

Grade Option (Please check): Letter  S/U  Progress  What is course is last in the series? \_\_\_\_\_

Honors Statement: Yes  No       GEC: Yes  No  Admission Condition  
 Off-Campus: Yes  No       EM: Yes  No  Course: Yes  No

Other General Course Information:  
 (e.g. "Taught in English." "Credit does not count toward BSBA degree.")

**B. General Information**

Subject Code 270501      Subsidy Level (V, G, T, B, M, D, or P): B  
 If you have questions, please email Jed Dickhaut at [dickhaut.1@osu.edu](mailto:dickhaut.1@osu.edu).

- Provide the rationale for proposing this course:  
 The department of statistics is redesigning the statistics minor to be more undergraduate oriented. The current offering regarding survey sampling and analysis is Stat 651. The statistics minor currently offers Stat 651 as an elective. The audience in Stat 651 has grown to be too diverse, including both graduate and undergraduate students in a variety of majors. We propose to add 451 to better serve the undergraduate population minoring in statistics, as well as those undergraduates pursuing the (proposed) interdisciplinary undergraduate minor in survey research.

2. Please list Majors/Minors affected by the creation of this new course.

This course will be required for the interdisciplinary undergraduate minor in survey research, currently being proposed by Linda Schoen. It will also be an elective for the revised statistics minor. Attach revisions of all affected programs.

This course is (check one):  Required on major(s)/minor(s)  A choice on major(s)/minor(s)  
 An elective within major(s)/minor(s)  A general elective:

3. Indicate the nature of the program adjustments, new funding, and/or withdrawals that make possible the implementation of this new course.

This is part of the renewed emphasis on our undergraduate minor in statistics and the proposed undergraduate minor in survey research. It represents a modest shift in the use of internal department and college resources toward the teaching of interdisciplinary undergraduate post-GEC statistics courses.

4. Is the approval of this request contingent upon the approval of other course requests or curricular requests?

Yes  No

5. If this course is part of a sequence, list the number of the other course(s) in the sequence: \_\_\_\_\_

6. Expected section size: 30 Proposed number of sections per year: 1

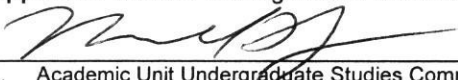
7. Do you want prerequisites enforced electronically (see OAA manual for what can be enforced)? Yes  No

8. This course has been discussed with and has the concurrence of the following academic units needing this course or with academic units having directly related interests (*List units and attach letters and/or forms*):  
Not Applicable


Inclusion of this course in the proposed undergraduate survey research minor was based on approval by an interdisciplinary committee chaired by Linda Schoen. Ten different departments representing a cross section of the ACS were represented on this committee. It has also been approved by the Dept. of Statistics Undergraduate Committee.

9. **Attach a course syllabus that includes a topical outline of the course, student learning outcomes and/or course objectives, off-campus field experience, methods of evaluation, and other items as stated in the OAA curriculum manual and e-mail to [ascurofc@osu.edu](mailto:ascurofc@osu.edu).**

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

 Michael Fligner 9/11/06  
1. Academic Unit Undergraduate Studies Committee Chair Printed Name Date

2. Academic Unit Graduate Studies Committee Chair Printed Name Date

 Douglas A. Wolfe 9/10/06  
3. ACADEMIC UNIT CHAIR/DIRECTOR 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 [ascurofc@osu.edu](mailto:ascurofc@osu.edu). 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