

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)

604 The Role of Statistical Concepts in Guiding and Enhancing Academic Research

Number	Title	U G	4 hours
18-Character Title Abbreviation	Level	Credit Hours	
Stats in Research			

Summer X Autumn X Winter X Spring X 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*): This course addresses the role that statistical theory and methods play within

The context of the scientific methods in guiding and enhancing academic research.

Quarter offered: AU,WI,SP,SU Distribution of class time/contact hours: 2 96-minute classes

Quarter and contact/class time hours information should be omitted from Book 3 publication (yes or no):

Prerequisite(s): Introductory course in statistics

Exclusion or limiting clause:

Repeatable to a maximum of 4 credit hours.

Cross-listed with:

Grade Option (Please check): Letter S/U Progress What 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
 Embedded Honors Statement: Yes No

Other General Course Information:

(e.g. "Taught in English." "Credit does not count toward BSBA degree.")

B. General Information

Subject Code _____ Subsidy Level (V, G, T, B, M, D, or P) _____

If you have questions, please email Jed Dickhaut at dickhaut.1@osu.edu.

- Provide the rationale for proposing this course:
 Statistical Education for non-statisticians traditionally emphasizes methods and arithmetical techniques. Academic research can be enhanced by exposing students to the logic of experimentation and research, and to the role, and limitations, of the use of statistical concepts in research from the perspective of the scientific methods. This course will better prepare OSU students for their research experience.

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

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

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

Yes No List:

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

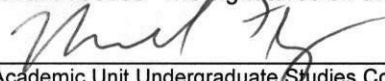
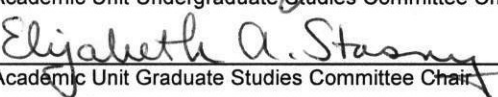

6. Expected section size: 40 Proposed number of sections per year: 4

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

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.

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

1.	 Academic Unit Undergraduate Studies Committee Chair	Michael Fligner Printed Name	12/19/06 Date
2.	 Academic Unit Graduate Studies Committee Chair	ELIZABETH A. STASNY Printed Name	12/20/06 Date
3.	 ACADEMIC UNIT CHAIR/DIRECTOR	Douglas A. Wolfe Printed Name	12/18/06 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 th Ave. or fax it to 688-5678. Attach the syllabus and any supporting documentation in an e-mail to 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
8.	University Honors Center (if appropriate)	Printed Name	Date
9.	Office of International Education (if appropriate)	Printed Name	Date
10.	ACADEMIC AFFAIRS	Printed Name	Date