

<b>OHIO STATE NEW COURSE REQUEST</b>
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College: BMPSAcademic unit: MathematicsBook 3 Listing: Mathematics

(e.g., Portuguese)

Proposed

Course No: 531H Full Title of Course: Rigorous ProbabilityProposed Effective Qtr/Yr: SU  AU  WI  SP  YEAR: 2009

(See OAA Academic Organization and Curriculum Handbook for Deadlines)

**A. Course Offerings Bulletin Information.** Follow instructions in the OAA Academic Organization and Curriculum Handbook.

*Is this a course with decimal subdivisions?* If so, use one New Course Request form for the generic information that will apply to all subdivisions. Use separate forms for each new decimal subdivision, including on each form only the information that is unique to that subdivision.

18-Character Transcript Abbreviation: Rigorous Probabil Level U xx G P  Credit Hours: 5

Description (not to exceed 25 words):

A rigorous honors course on probability theory with special attention to the history of the subject and continuingconnections with other areas of mathematics.Quarter offered (check): SU  AU  WI  SP  \*Distribution of class time/contact hours: 3-60 min clQuarter and contact/class time hours information should be omitted from Book 3 publication: (check here) Prerequisite (s): 264H or permission of instructorExclusion or limiting clause: naRepeatable to a maximum of 0 credit hours.Cross-listed with: naGrade Option (Please check): Letter  S/U  Progress 

If this course is Progress graded, what course is the last one 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 Service Learning Course\*: Yes  No \*To learn more about this option, please visit <http://artsandsciences.osu.edu/currofc/>

Other General Course Information:

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

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

(If you have questions please email Jed Dickhaut @ [dickhaut.1@osu.edu](mailto:dickhaut.1@osu.edu))Will course be taught in distance learning format: Yes  No **B. General Information:**

1. Provide the rationale for proposing this course:

The developments of mathematics and its applications in the recent half-century make it clear that the theory of probability has played an increasingly important role in such diverse areas as physics, statistics, cryptography, harmonic analysis, financial.mathematics, combinatorics, and biology.

2. List Major/Minor affected by the creation of this new course. Attach revisions of all affected programs.

This course is (check one) Required  Elective  Other (Explain) : na

\* If the course offered is less than quarter, term, or semester, please also complete the Flexibly Scheduled/Off Campus/Workshop Request form.

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

No new funding necessary. Course previously taught in Au07 as a 3 credit H594 to 10 students and Au08 as a 5 credit H594

to 10 students.

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: na

6. Expected section size: 10-15 Proposed number of sections per year: 1


7. Do you want prerequisites enforced electronically? (See OAA Curriculum Manual for what can be enforced.) Yes

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

Statistics

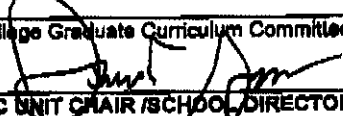
9. Attach a course syllabus that includes a topical outline of the course, student learning outcomes and/or course objectives, off-campus field experience, methods of evaluation, and other items as stated in the OAA Curriculum Handbook.

APPROVAL SIGNATURES (As needed. All signatures on lines in ALL CAPS (e.g. ACADEMIC UNIT) must be completed)

 RENEAL SOLOMON 11/14/08  
Academic Unit Undergraduate Studies Committee Chair (Undergraduate course) Printed Name Date

Academic Unit Graduate Studies Committee Chair (Undergraduate/Graduate course) Printed Name Date

School /College Undergrad Curriculum Committee (Undergraduate/Graduate course) Printed Name Date

 David GROSS 11-17-08  
ACADEMIC UNIT CHAIR /SCHOOL DIRECTOR Printed Name Date

COLLEGE DEAN Printed Name Date

Graduate School (If Appropriate) Printed Name Date

ASC Curriculum Committee Chair (If Appropriate) Printed Name Date

University Honors Center (If Appropriate) Printed Name Date

Office of International Education (study tour only) Printed Name Date

ACADEMIC AFFAIRS Printed Name Date