



UCC Document # _____

College Document # COAS 030

Review Type: Edit Exp Full

CATALOG YEAR 2012-2013

COLLEGE/SCHOOL/SECTION: COAS _____

Course: Add: Delete:

(check all that apply) Change: Number Title SCH Description Prerequisite

Response Required: New course will be part of major minor as a required
or elective course

Response Required: New course will introduce , reinforce , or apply concepts

If new, provide Course Prefix, Number, Title, **Measurable** Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.

Justification: It is needed to add the course with the title of Undergraduate Research in Mathematics rather than use Independent Study in Mathematics. In addition, this course will focus on the research topic.

MATH 4180-4380, Undergraduate Research in Mathematics

One to three semester hours (FL/SP/SS)

Course Descriptions:

Students work on a theoretical or applied research project. The plan of study is negotiated by the faculty member and the student. Course may be repeated under different topic for credit.

Prerequisite: Consent of the instructor and the department. Offer only "Satisfactory/Fail" grades.

Student Learning Outcomes:

Upon successful completion of this course, the student will be able to:

- identify appropriate steps necessary to conduct research in mathematics or applied mathematics project;
- learn of mathematical writing required in documenting outcomes of the research;
- make use of proper notation and vocabulary as it relates to the research problem conducting;
- develop required skill in presentation of a research topic;
- present the research problem to a knowledgeable audience.

Approvals:

Signature

Date

Chair
Department Curriculum Committee

Chair
Department

Chair
College Curriculum Committee

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