

UConn | COLLEGE OF LIBERAL ARTS AND SCIENCES

COMMITTEE ON CURRICULA AND COURSES

Proposal to Change an Existing Course

Last revised: September 24, 2013

1. Date: December 16, 2013
2. Department requesting this course: Mathematics
3. Nature of Proposed Change: Drop the restriction on the number of times graduate topics courses in mathematics can be repeated with a change in topic. This change would affect Math 5010, 5011, 5016, 5020, 5026, 5030, 5031, 5040, 5041 and 5070. The two courses for which this change is crucial are Math 5020 and 5026. The others are less immediately essential and would be done for uniformity.
4. Effective Date (semester, year): Spring 2014. If possible, we would like this change to apply retroactively as we have a number of graduate students who have repeated graduate topics courses more than four times.
(Consult Registrar's change catalog site to determine earliest possible effective date. If a later date is desired, indicate here.)

Current Catalog Copy

Math 2010 – Topics in Analysis I. Advanced topics in analysis. With change of content, this course is repeatable to a maximum of twelve credits.

Math 2011 – Topics in Analysis II. Advanced topics in analysis. With change of content, this course is repeatable to a maximum of twelve credits.

Math 2016 – Topics in Probability. Advanced topics in probability theory, theory of random processes, mathematical statistics and related fields. With change of content, this course is repeatable to a maximum of twelve credits.

Math 5020 – Topics in Algebra. Advanced topics chosen from group theory, ring theory, number theory, Lie theory, combinatorics, commutative algebra, algebraic geometry, homological algebra and representation theory.

Math 5026 – Topics in Mathematical Logic. Topics include, but are not restricted to, Computability theory, Model theory and Set theory.

Math 5030 – Topics in Geometry and Topology I. Advanced topics in geometry and topology. With change of content, this course is repeatable to a maximum of twelve credits.

Math 5031 – Topics in Geometry and Topology II. Advanced topics in geometry and topology. With change of content, this course is repeatable to a maximum of twelve credits.

Math 5040 – Topics in Applied Analysis I. Advanced topics from the theory of ordinary and partial differential equations. Other possible topics: integral equations, optimization theory, the calculus of variations, advance approximation theory.

Math 5041 – Topics in Applied Analysis II. Advanced topics from the theory of ordinary and partial differential equations. Other possible topics: integral equations, optimization theory, the calculus of variations, advance approximation theory.

Math 5070 – Topics in Scientific Computation.

Proposed Catalog Copy

(See information in the "Add a course" form if you have any questions regarding specific items.)

Math 2010 – Topics in Analysis I. Advanced topics in analysis. This course may be repeated with each change of topic.

Math 2011 – Topics in Analysis II. Advanced topics in analysis. This course may be repeated with each change of topic.

Math 2016 – Topics in Probability. Advanced topics in probability theory, theory of random processes, mathematical statistics and related fields. This course may be repeated with each change of topic.

Math 5020 – Topics in Algebra. Advanced topics chosen from group theory, ring theory, number theory, Lie theory, combinatorics, commutative algebra, algebraic geometry, homological algebra and representation theory. This course may be repeated with each change of topic.

Math 5026 – Topics in Mathematical Logic. Advanced topics in logic including computability theory, set theory, model theory, proof theory and related fields. This course may be repeated with each change of topic.

Math 5030 – Topics in Geometry and Topology I. Advanced topics in geometry and topology. This course may be repeated with each change of topic.

Math 5031 – Topics in Geometry and Topology II. Advanced topics in geometry and topology. This course may be repeated with each change of topic.

Math 5040 – Topics in Applied Analysis I. Advanced topics from the theory of ordinary and partial differential equations. Other possible topics: integral equations, optimization theory, the calculus of variations, advance approximation theory. This course may be repeated with each change of topic.

Math 5041 – Topics in Applied Analysis II. Advanced topics from the theory of ordinary and partial differential equations. Other possible topics: integral equations, optimization theory, the calculus of variations, advance approximation theory. This course may be repeated with each change of topic.

Math 5070 – Topics in Scientific Computation. Advanced topics in scientific computation. This course may be repeated with each change of topic.

Justification

1. Reasons for changing this course: See attached sheet.
2. Effect on Department's curriculum: None
3. Other departments consulted: None
4. Effects on other departments: None
5. Effects on regional campuses: None
6. Staffing: No affect on staffing.
7. Dates approved by
Department Curriculum Committee: December 6, 2013
Department Faculty: December 10, 2013
8. Name, Phone Number, and e-mail address of principal contact person: (David) Reed Solomon, 6-2341, david.solomon@uconn.edu