

ENTERED

Revised 4/22/2009

NOV 17 2011

RECORDS

UNDERGRADUATE CURRICULUM PROPOSAL COVER SHEET

Title of Proposal – Must begin with Department Abbreviation:

MATH 3000 Introduction to Logic and Proof (Name change from Foundations of Mathematics)

Check One: Full Proposal or Information Item

Effective Date for Curricular Offering: Fall 2012

FROM: Irene Loomis, Mathematics, EMCS 418E, 425-4566, Irene-Loomis@utc.edu

(proposal originator: include spokesperson's name, department, office number, telephone, e-mail)

Does this require new resources from the originating department or other department? No
Please include an explanation if yes.

Faculty of the originating department approved this proposal on 11-11-11 (date),
by a vote of 20 aye votes; 0 nay votes; 0 abstentions; 2 eligible voting members absent.

The following have examined this proposal

Dept Head/Director: John Graef
Printed name Signature, date Approve Neutral Disapprove*

College Curriculum Committee Date: Vote: Signature of Chair:

Spokespersons for Affected Departments:

Printed Name, Department Signature, Date Approve Neutral Disapprove*

Dean/Director: H. Beckman
Printed name Signature, date Approve Neutral Disapprove*

University Registrar: Linda Orth
Printed name Signature, date Comments

Provost/Representative: J. Sanders
Printed name Signature, date Approve Neutral Disapprove*

Lab/studio fee requested:

Provost: Phil Oldham
Printed name Signature, date Approve Disapprove*

*Those who disapprove may attach an explanation

Table with columns: ACTIONS on this proposal, Curriculum Committee, Faculty Senate. Rows include Date the proposal was considered, Vote of the body, Accepted as information item, Approved as submitted, Approved with amendments, and Signature of Chair.

12-049 UG

To: University Curriculum Committee

From: Irene Loomis, Mathematics Department Curriculum Committee Chair

Date: November 15, 2011

Re: Rational for Name Change of Math 3000

- a) A description of the change: Name change from Math 3000 *Foundations of Mathematics* to Math 3000 *Introduction to Logic and Proof*.
- b) A rational for the change: The name change better reflects the nature of the course.
- c) Original text to be modified: The only change is the name of the course.
- d) And the proposed text revision: Same as part c. The only change is the name of the course.

MATH 3000 - Foundations of Mathematics

[\[Print Course\]](#)

MATH 3000 - Foundations of Mathematics

(3) Credit Hours

Introductory concepts of sets, functions, equivalence relations, ordering relations, logic, methods of proof, and axiomatic theories with topics from combinatorics, graph theory, or abstract algebra. Fall and spring semesters. Prerequisite: MATH 1920/MATH 1921 with minimum grades of C or department head approval.

This course is a prerequisite for Mathematics 3250, 3500, 4720, 4270, 4200, 4050, 4000 and 4010. Mathematics majors should enroll in it at the end of the sophomore year or beginning of the junior year.

Proposed MATH 3000 - Foundations of Mathematics

[\[Print Course\]](#)

MATH 3000 – Introduction to Logic and Proof

(3) Credit Hours

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