



CATALOG YEAR 2015-2016

COLLEGE/SCHOOL/SECTION: _____

Course: Add: Delete:
(check all that apply) Change: Number Title SCH Description x Prerequisite

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.

MATH 1333 (MATH 1333)

Mathematics for Liberal Arts II

Three semester hours. (FL/SS)

~~This course is designed to enhance mathematical literacy and to stimulate interest in and appreciation for mathematics and quantitative reasoning as valuable tools for addressing issues in a constantly changing society. Topics may include, at an introductory level, logical reasoning and problem solving through mathematical games and puzzles; sets, relations, and functions; counting and number concepts (number theory and infinity). Prerequisite: MATH 1314 or SAT Mathematics score of 500+ or ACT Mathematics score of 20+.~~

~~This course's topics may include, at an introductory level, geomtery (Euclidean/non-Euclidean/fractal geometries, and topology), probability, and statistics. Prerequisite: MATH 1332.~~

Justification:

Correction for the error in the Catalog. The description for MATH 1333 is erroneously duplicated as the description of MATH 1332.

Student Learning Outcomes. Upon successful completion of the course, the student will be able to:

- analyze sample solutions/proofs to problems in geometry and probability;
- compose written arguments on mathematical content in geometry and probability;
- distinguish between defined and undefined terms, and define geometric objects such as segment, ray, triangle, angle;
- recognize, distinguish, and describe the relationships between the theorems of Euclidean and hyperbolic geometries;
- find the probability of a compound event and conditional probability of an event;
- learn to organize and summarize data using descriptive statistics.

Approvals:

Signature

Date

Chair

Department Curriculum Committee

Qingwen Ni

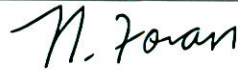
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Date: 2014.10.08 11:17:32 -0500

Chair
Department

Rohitha Goonatilake,
Ph.D.

Digitally signed by Rohitha Goonatilake, Ph.D.
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and Physics (COAS), email=ragoonat@tamui.edu, c=US
Date: 2014.10.09 07:46:27 -0500

October 9, 2014



Chair
College Curriculum Committee

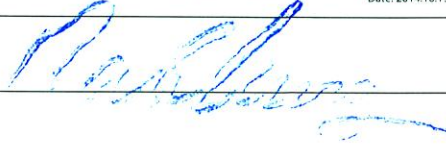
Oct. 15/14

Dean

Frances Bernat

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Provost



06/2014