

OFFICIAL SYLLABUS

Math 400 - The Development of Modern Mathematics

Adopted - Fall 2003 (Committee: Drs. Bryden, Hasty, Parish)

Catalog Description. [Dist.NSM] The development of mathematics since the discovery of calculus. Prerequisites: 152 and 223.

Textbook. *AN INTRODUCTION TO THE HISTORY OF MATHEMATICS*, by Howard Eves, 1990 by Saunders College Publishing (Sixth Edition)

Course Outline and Topics.

Ch. 8, sections 6-9: European Mathematics, 500 to 1600 (optional)

Ch. 9: The Dawn of Modern Mathematics

Ch. 10: Analytic Geometry and Other Precalculus Developments

Ch. 11: The Calculus and Related Concepts

Ch. 12: The Eighteenth Century and the Exploitation of the Calculus

Ch. 13: The Early Nineteenth Century and the Liberation of Geometry and Algebra

Ch. 14: The Later Nineteenth Century and the Arithmetization of Analysis

Ch. 15: Into the Twentieth Century (optional, if time permits)