

CALIFORNIA STATE UNIVERSITY, SACRAMENTO
Department of Mathematics and Statistics

SYLLABUS

Math 190: History of Mathematics

Prerequisites: Math 31 and upper division standing

This one semester course is a study of the development of mathematical ideas and techniques through the advent of calculus and their impact on the general course of the history of western civilization.

OUTLINE:

- I. Numeral Systems
- II. Babylonian and Egyptian Mathematics
- III. Pythagorean Mathematics
- IV. The Three Famous Problems
- V. Euclid's Elements
- VI. Greek Mathematics After Euclid
- VII. Chinese, Hindu, and Arabic Mathematics
- VIII. European Mathematics, 500-1600
- IX. The Seventeenth Century
- X. Analytic Geometry
- XI. Calculus