



Catalog Description:

Development of mathematics from primitive origins to present forms. Topics include: development of arithmetic, algebra, geometry, trigonometry, and calculus.

Prerequisite:

C- or better in 2568, 4507, or 5520H; or credit for 568, 571, 507, 580, or 520H; or permission of department.

Exclusions:

Open only to math majors, or students with graduate standing in Ed T&L. Not open to students with credit for 504.

Text:

Journey through Genius, by William Dunham, published by Wiley, ISBN: 0471500305

Topics List:

1. Development of arithmetic; Babylonian tablets and Egyptian papyri.
2. Development of geometry: Pythagoras, Thales, Euclid, Archimedes, Ptolemy, and non-Euclidean geometry.
3. Development of algebra and calculus.