TEXTS, Required:
- A HISTORY OF MATHEMATICS: AN INTRODUCTION, 3rd Ed., Victor J. Katz
- JOURNEY THROUGH GENIUS: THE GREAT THEOREMS OF MATHEMATICS, William Dunham
- THE CALCULUS GALLERY, William Dunham
- HOW TO READ HISTORICAL MATHEMATICS, Benjamin Wardhaugh
- EUCLID’S ELEMENTS, vol. 1 (as reference)

- The prerequisites for this course are Math 301 (On Solid Ground: Sets and Proof) and an evaluated RooWriter essay.
- In Katz, we will cover parts of Chapters 1-12 & 13-18; In Dunham (Journey), Chapters 1-4, & 6-12.

EXAMS:
- There will be two 75 min. Exams (100 points each) during the semester, each given a letter grade. Each includes a short explication question.
- The FINAL EXAM (150 points) will be held in our usual classroom, 8:00 - 10:00 am, Fri. May 15, 2015. This is just a third exam, not a cumulative exam, but cannot be skipped.

WRITTEN WORK:
- A list of suggested homework problems will be distributed. Some problems may be collected and graded.
- Written work: Use only one side of standard 8½ x 11 paper. When due, put it on my desk at the start of class.
- Papers: Two 12-15 (internal)-page papers.
- General writing information and instructions will appear on other sheets and the course web pages.
- Late assignments of any kind are NOT accepted, except by prior arrangement.

CONTACT:
- I will contact you through your official UMKC email address. [To learn how to forward email from your UMKC email address to some other address, go to http://www.umkc.edu/is/webmail/live/#forward .]
- My E-mail address: delawarer@umkc.edu . This is the best and preferred way to reach me.
- Office: Manheim Hall 306 A. Office Hours: MW 3-3:50 pm, TR 10-11 am & 4-5 pm. I can be available other times by appointment on M-R only.
- My Mailbox: Mathematics Dept office, Haag Hall 206.
- Phone: 816 235-2850. (Do NOT call the Mathematics Dept Office to leave me messages.)

GRADES:
- 2 Exams (10% each) & Final Exam (15%) 35 %
- Essays (see above) 35 %
- 2 Papers (15% each) 30 %
- I will use grading software to provide grade reports. At the end of the semester I will drop your "most damaging" score. However, the two 12-15-page papers and the Final Exam (a total of 45%) cannot be dropped.
Course Policies & Resources
Please refer to the following web page and the linked resources for critical information regarding course policies and resources. http://cas.umkc.edu/CPR/

STUDENT LEARNING OUTCOMES – Math 464 WI:
Students will be able to:

demonstrate through writing several short explication essays the ability to read closely and analyze critically historical mathematics texts, and articulate and discuss their work with peers and the instructor;

write longer exposition and explication of historical mathematics, articulating and supporting a coherent thesis or purpose meeting the standards of excellent expository writing in mathematics, produced through the process of research, pre-writing, drafting, peer review, and revising in the form of two papers for a total of at least 5,000 words or 20 pages;

use research methods and documentation conforming to the conventions of the history of mathematics and Mathematical Association of America style;

memorize, reproduce, and understand in context a selection of important historical mathematical proofs and arguments

Contest and Publication Opportunities

- **HOMSIGMAA** (History of Mathematics Special Interest Group of the Mathematical Association of America) national expository paper contest (8 first place wins, 2 second place/runner up wins) Also see: http://info.umkc.edu/news/to-the-power-of-three/

- UMKC English Department **Sosland Journal** (11 papers published), and **Ilus W. Davis Writing Competition** (7 awards won, 5 were “Advanced Category” wins)

- UMKC Honors journal **Lucerna** (8 papers published)