

Mathematics History

Math 380-Fall 2015

Instructor: Dr. V Huse

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Office Hours – Wednesday 3:30- 6:30

Online chat, Skype or Facetime- Tuesday and Thursday 8:00 p.m.-10:00 p.m.

If you can't reach me, leave a message on my voice mail OR better yet, send me an **e-mail:** Vanessa.huse@tamuc.edu

Text: *The History of Mathematics*, by Stuart Anderson, 1st Edition.
ISBN: 9781308389981

Course Description: A survey of the history of mathematics. Attention will be given to the origin, development and importance of mathematical ideas.

Goals: The goal of this course is to develop *understanding* of the mathematics. We are constantly going to be dealing with *WHY* more than *HOW*. As a future teacher you must be able to *explain* mathematics to your students, not just show them how to carry out mathematical procedures. We will focus on underlying structures and development of ideas. In addition, problem solving is a major component of this course. As a future mathematics teacher, you need to become familiar with and skilled in various types of problem solving techniques that are commonly used in mathematical thinking.

Student Learning Outcomes: This course is designed for prospective teachers of 4-8 mathematics. In mathematics history, information is presented to understand the way mathematical ideas developed. This different approach often yields insights into how the subject can be taught. A student who passes this course will demonstrate through writing

1. an awareness of how certain mathematical ideas developed and why they are important.
2. The problem solving ability that includes but is not limited to number systems, geometry, and algebra.
3. The connections between topics from the course and applications to teaching mathematics.

Course Grading: Will be based on Research Projects, Discussion Boards, homework, and three in class exams. In order to successfully mathematically prepare today's children for the technological world they face, a middle school teacher must have a solid understanding of a broad spectrum of mathematics, including mathematics at a level considerably beyond the grade he/she teaches. No makeup will be given.

Research Projects-	10%
Homework -	10%
Major Research Project	10%
Discussion Boards	10%
Test 1-	20%
Test 2-	20%
Test 3 -	20%

TECHNOLOGY REQUIREMENTS

Internet access (high-speed preferred)

Word processing software (Microsoft Word preferred)

As a student enrolled at Texas A&M University-Commerce, you have access to an email account via myLeo - all my emails sent from eCollege (and all other university emails) will go to this account, so please be sure to check it regularly.

ACCESS AND NAVIGATION

Access and Log in Information

This course will be utilizing eCollege to enhance the learning experience, eCollege is the Learning Management System used by Texas A&M University-Commerce. To get started with the course, go to: <https://leo.tamu-c.edu/login.aspx>.

You will need your CWID and password to log in to the course. If you do not know your CWID or have forgotten your password, contact Technology Services at 903.468.6000.

COMMUNICATION AND SUPPORT

Texas A&M University-Commerce provides students technical support in the use of eCollege. The student help desk may be reached by the following means 24 hours a day, seven days a week. If you experience issues while taking your exams or at any other point, feel free to contact the support desk.

Phone: 1-866-656-5511 (Toll Free) to speak with eCollege Technical Support Representative.

• **Email:** helpdesk@online.tamuc.org to initiate a support request with eCollege Technical Support Representative.

• **Help:** Click on the 'Help' button on the toolbar for information regarding working with eCollege

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Attendance

It is the prerogative of the instructor to drop students from courses in which they have accrued excessive absences (three or more). However, a student wishing to drop the course should do so. Failure to do so may result in a failing grade. Attendance is strongly encouraged for your own benefit. Any work missed due to your absence is your responsibility and should be made up as soon as possible. If you should miss a lecture, you should get a copy of someone's notes and then I will answer any questions you have over those notes.

Cheating: Cheating of any kind will result in an F for the term. All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See Student's Guide Handbook, Policies and Procedures, Conduct)

Academic Honesty Policy

Texas A&M University-Commerce does not tolerate **plagiarism** and other forms of academic **dishonesty**. Conduct that violates generally accepted standards of academic honesty is defined as academic dishonesty. "Academic dishonesty" includes, but is not limited to, plagiarism (the appropriation or stealing of the ideas or words of another and passing them off as one's own), cheating on exams or other course assignments, collusion (the unauthorized collaboration with others in preparing course assignments), and abuse (destruction, defacing, or removal) of resource material.

Disciplinary action for these offenses may include any combination of the following:

1. Point deduction on an assignment.
2. Failure for an assignment.
3. A grade of zero for an assignment.
4. Failure for the course.
5. Referral to the Academic Integrity Committee or department head for further action.

6. Referral to the Dean of the College of Education and Human Services, Business and Technology, Arts and Sciences, or Graduate School as appropriate.
7. Referral to the University Discipline Committee.
8. Communication of student's behavior to the Teacher Certification Office and/or Dean of the College of Education as constituting a reason to bar student from entering into or continuing in a teacher certification program. Procedures, A 13.04, 13.12, 13.31, and 13.32

ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Gee Library 132

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

StudentDisabilityServices@tamu-commerce.edu

[Student Disability Resources & Services](#)

A&M-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

COURSE OUTLINE / CALENDAR

The course calendar is in eCollege listed by week.