Syllabus
Historical Mathematics (MATH A420)
Fall 2017

Class Times
Tuesday and Thursday 1:00 - 2:15 p.m.

Classroom
ADM 143A

Instructor
Dr. Mark Fitch

Office
SSB 154P

Office Hours
Monday-Thursday 10:00-11:15 a.m. See http://www.math.uaa.alaska.edu/~afmaf/classes for all available times.

Office Phone
786-1656

Email
mafitch@alaska.edu

Web
Blackboard: http://classes.alaska.edu/
Instructor: http://www.math.uaa.alaska.edu/~afmaf/classes

Textbook
The History of Mathematics: An Introduction by David M Burton (7th edition)

Resources
In addition to the textbook resources from the internet, library, and elsewhere will be required.

Topics
Presents the historical development of mathematical concepts in algebra, geometry, number theory, analytical geometry, calculus, probability, and statistics. Presents factors which influenced the growth of mathematical knowledge across cultures and times.

Goals
Integrate knowledge of chronological history of mathematics from prehistoric times to the twenty first century to identify, analyze, and evaluate factors which influenced the growth of mathematical knowledge across cultures and times.
Prove theorems and perform calculations using historical methods.
Write and revise papers and give oral presentations which demonstrate knowledge of mathematics in its historical context, and explain mathematical concepts with proper notations and clarity.

Instruction
Learning will involve reading from the textbook and other books, discussing the contents in class, writing essays, working problems using historical methods, and presenting these in class.

Evaluation
Assignments and Presentations 20%
Exams (3) 60%
Project 20%
The final exam slot is December 12th from 1:00 - 3:45 p.m.

If you have a certified learning disability, please inform the instructor so that the university sanctioned assistance can be provided.

Scale
A 90-100 Grades of C or higher indicate an ability to solve problems. Grades of B or A indicate an understanding of the material.
B 80-89
C 70-79
D 60-69
E 50-59
| Guidelines | Instructions: If you do not understand any instruction or a question, please ask before the work is due. An assignment may be submitted only once.  
Feedback: Explanations of errors on exams may be provided by posted answer keys instead of on the returned papers.  
Corrections: If you discover a mistake in any graded work, please bring it to the attention of the instructor as soon as possible.  
Late Work: Late homework need not be submitted. Projects submitted late will receive significant grade deductions. Please arrange excused absences for exams before the exam if at all possible. If you cannot make arrangements before the exam, then the final exam grade will replace that exam score. If the university is closed for an emergency on an exam day, the exam will occur during the next class session. |
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| Attendance | Daily attendance is vital to success in this course. Most material will be presented in class rather than in the textbook.  
If you will be required to miss class for university business, including but not limited to athletics, music, and debate, please inform the instructor at the beginning of the semester or session.  
Failure to attend for more than 4 class periods may be regarded as withdrawal and a faculty initiated drop may be processed. Attendance is recorded by submission of the daily assignments.  
Most graded assignments are returned at the beginning of class. If you miss this, you will need to come to the instructor’s office to obtain the assignment. All assignments not collected by the final exam will be destroyed as required by FERPA. |
| Courtesy | Courtesy in the classroom is important for learning.  
Remember students and instructors come from varied cultures and backgrounds: be mindful of others as you interact.  
Entering a classroom late may disturb other students. Please be prompt. If you need to leave class early, please inform the instructor before class.  
Lack of attention to the material of the class reduces learning. Use of any communication device or method not requested by the instructor is not permitted. Music playing devices, hands-off phones, and other headset type devices may not be worn during class. Use of any device during a quiz or test is considered academic dishonesty.  
Students required to be on call must notify the instructor ahead of time and use a silent notification method. |
| Academic Honesty | Each assignment specifies what help you may receive. Use of inappropriate assistance or submitting the work of someone else as your own is prohibited.  
Students are expected to know and follow the Student Code of Conduct ([https://www.uaa.alaska.edu/students/dean-of-students/student-conduct/code.cshtml](https://www.uaa.alaska.edu/students/dean-of-students/student-conduct/code.cshtml)). If the instructor has reason to believe that plagiarism, cheating, or academic dishonesty, as defined in the Student Code of Conduct, has occurred, the matter will be referred to the Office |
of the Dean of Students. If there is a finding from the Dean of Students that plagiarism, cheating, or academic dishonesty has occurred, the student will receive a grade of zero for that assignment.

Non-Academic Assistance

The mission of the UAA CARE Team is to promote a safe and productive learning, living and working environment by addressing the needs of students. If you, or someone you know, needs support, is distressed, or exhibits concerning behavior help by making a referral to the CARE Team. Contact the CARE Team by: filling out a referral on http://www.uaa.alaska.edu/CareTeam; E-mail your concern to Care@uaa.alaska.edu; or call the Care Team phone number: 786-6065; if an emergency—call UPD or 911.