

Math 3000-50 History of Mathematics
Fall 2015 CRN: 47972
M 5:15~7:45 Room: SNOW 147

INSTRUCTOR: Dr. Clare Banks, banks@dixie.edu Office: Snow 134B Phone: 652-7982
Office Hours: M~R 9~10:30 AM and by appointment.

TEXT: Most of your material will be from *A History of Mathematics: An Introduction* by Victor J. Katz (3rd Ed.) Addison-Wesley. Other resources will be used on occasion.

PREREQUISITES: Math 1220 with an earned grade of C or better.

DISABILITIES: Students with medical, psychological, learning or other disabilities desiring reasonable academic adjustment, accommodations, or auxiliary aids to be successful in this class will need to contact the **Disability Resource Center** Coordinator (Baako Wahabu) for eligibility determination. Proper documentation of impairment is required in order to receive services or accommodations. DRC is located in the North Plaza Building. Visit or call 652-7516 to schedule appointment to discuss the process. DRC Coordinator determines eligibility for and authorizes the provision of services.

CHEATING AND DISRUPTIVE BEHAVIOR Cheating and disruptive behavior will not be tolerated. Dixie State College **policy** on Academic Dishonesty is explained on the website <http://www.dixie.edu/humanres/policy/sec3/334.html>

Policy for Absences Related to College Functions:
<http://www.dixie.edu/humanres/policy/sec5/523.html>

IMPORTANT DATES: Please see <http://new.dixie.edu/reg/?page=fall2015> for important dates

DMAIL: Important class and university information will be sent to your Dmail account. This information includes your DSU bill, financial aid/scholarship notices, notification of dropped classes, reminders of important dates and events, and other information critical to your success in this class and at DSU. All DSU students are automatically assigned a Dmail account. If you don't know your user name and password, go to www.dixie.edu and select "Dmail," for complete instructions. You will be held responsible for information sent to your Dmail email, so please check it often.

ACADEMIC INTEGRITY In order to ensure that the highest standards of academic conduct are promoted and supported at the University, students must adhere to generally accepted standards of academic honesty, including but not limited to, refraining from cheating, plagiarizing, falsification, misrepresentation, and/or inappropriately colluding or collaborating. The University shall consistently hold students accountable for instances of academic dishonesty and apply appropriate consequences. For more information, see the Student Academic Misconduct section of DSU policy

at <http://dixie.edu/humanres/polstu.html>

COURSE WORK: The student's final grade will be determined by her/his performance on 3 exams (40%), class activities/participation (20%), Poster presentation (20%) and a final research project/report (20%).

GRADES: Grades will be based on the percentage of total possible points that you earn during the semester. Grades will be assigned as follows:

Percent	Grade	Percent	Grade	Percent	Grade
94-100	A	80-82	B-	60-64	D+
90-93	A-	75-79	C+	55-59	D
87-89	B+	70-74	C	50-54	D
83-86	B	65-69	C-	<50	F

EXAMS

There will be 3 scheduled exams, they will not be cumulative.

ATTENDANCE/PARTICIPATION

You need to attend all classes and be actively involved in class activities and discussions. There is no excused absence. Showing up late or leaving early will count as being absent; there is no half attendance.

POSTER PRESENTATION

Each student needs to choose a mathematician to present to the class.

FINAL RESEARCH PROJECT/REPORT

Each student needs to choose a topic of interest to work on as a research project.

Tentative Areas of Study: Time permitting we will discuss the following topics:

1. Egypt and Mesopotamia Mathematics
2. Greek Mathematics
3. Euclid and the Elements
4. China & India Mathematics
5. Medieval Mathematics
6. Modern Mathematics
7. Analytic Geometry
8. Non-Euclidean Geometry
9. The History of Calculus
10. The History of Probability and Statistics