

**Math 3000-50 History of Mathematics**  
**Fall 2011 CRN:45300**  
**M 5:15~7:45 Room: NIB 150**

**INSTRUCTOR:** Dr. Clare Banks, [banks@dixie.edu](mailto:banks@dixie.edu) Office: NIB 138 Phone: 652-7982  
Office Hours: M~F 9 ~ 9:50 AM and by appointment.

**TEXT:** Most of your material will be from *A History of Mathematics: An Introduction* by Victor J. Katz (3<sup>rd</sup> 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 for eligibility determination. Proper documentation of impairment is required in order to receive services or accommodations. DRC is located at the ground floor of the Financial Aid Office. Visit or call 652-7880 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=fall2011> for important dates.

**DMAIL:** Important class and college information will be sent to your Dmail email account. This information includes your DSC bill, financial aid/scholarship notices, and notification of dropped classes, reminders of important dates and events, and other information critical to your success in this class and at DSC. All DSC students are automatically assigned a Dmail email account. If you don't know your user name and password, go to [www.dixie.edu](http://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.

**COURSE INFO:** Course description, course objectives, and course outcomes for the Math 3000 course can be found on the math department website:  
[http://www.dixie.edu/math/math\\_3000.php](http://www.dixie.edu/math/math_3000.php)

**COURSE WORK:** The student's final grade will be determined by her/his performance on homework(10%), 3 exams (40%), class activities/participation (10%), 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 2 scheduled midterm exams and a final exam, they will not be cumulative. The Final Exam will be on Monday, December 12th from 5:15~7:45pm.

### *HOMEWORK*

Homework will be assigned and collected regularly. Late homework will not be accepted without permission. Assignments should be completed individually and show all of your work.

### *ATTENDANCE/PARTICIPATION*

This class requires comprehensive reading. You need to read all the assigned readings and be actively involved in class activities and discussions. Sometimes you may need to lead the discussion.

### *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. Early number systems and symbols
2. The history of Arithmetic and Number Theory
3. The History of Algebra
4. The History of Analysis
5. The History of Geometry
6. The History of Proofs and Computations
7. The History of Calculus.