

Syllabus MAT 336

We will study the history of mathematics, from the earliest times to the beginning of the 20th century. Special attention will be paid to the contributions of the Inca, Mayans, Babylonians, Egyptians, Greeks, Hindus, Arabs, Chinese and subsequent later European developments into the modern era.

Text books

1. David M. Burton, The History of Mathematics, 7th ed, McGrawhill 2011. paperback ISBN 978 007 1289207.
2. William Dunham, Journey Through Genius, Penguin, 1990 paperback ISBN 014014739X.

Homework from Burton will be assigned each week, but not collected. Instead, each week there will be a 15 minute quiz over the homework and material from the previous week. Each student is required to make a 15 minute oral presentation to the class, on a topic selected by the instructor. Each student will write a 15-20 term paper on a topic of their choice, with approval from the instructor. There will be no final exam.

<u>Grading Policy</u>	
Weekly Quizzes	30%
class Presentation	20%
Term paper*	50%
	<u>100%</u>

Professor C. Denson Hill
 Office 2-113 Math Tower
 Hours Mon & Wed 2:00-3:30 pm

* Term paper also counts towards writing requirement for MAT or AMS majors.

Week by week detailed syllabus for MAT 336
 SPRING 2014

Week	Reading Burton	Homework in Burton	Reading Dunham
1	§1.1, 1.3	§1.3: 1-5, 13, 14, 15.	
Jan 26 ↓ Feb 1	§2.5		
2	§1.2	§1.3: 7, 9.	ch 1
Feb 2 ↓ Feb 8	§2.1, 2.6	§2.5: 1, 2, 9, 11.	
3	§2.2, 2.3	§2.6: 1, 2.	ch 2
Feb 9 ↓ Feb 15	§3.1	§2.3: 1, 2, 3.	
4	§3.3	§3.3: 1, 5, 8, 15, 16.	ch 3
Feb 16 ↓ Feb 22	§4.1, 4.2	§4.2: 11, 12.	
5	§4.3	§4.3: 15, 16.	ch 4
Feb 23 ↓ march 1	§4.5	§4.5: 1, 2, 4, 5.	
6	§5.3	§5.3: 13, 14, 16.	ch 5
march 2 ↓ march 8	§5.5	§5.5: 1, 2, 10, 11.	
7	§6.2	§6.2: 1, 2, 3, 4.	ch 6
march 9 ↓ march 15	§7.2, 7.3	§7.3: 3ab, 5, 8, 16.	
8		SPRING BREAK (No CLASSES)	
march 16 ↓ march 22			
9	§8.1, 8.2	§8.1: 12, 13.	ch 7
march 23 ↓ march 29		§8.2: 1, 2, 6, 7.	

10	§ 8.3	§ 8.3: 1, 3, 4.	ch 8
March 30 ↓ April 5	§ 8.4	§ 8.4: 1, 3, 4, 5.	
11	§ 9.1	§ 9.2: 1ac, 2, 9, 10 _{bc} .	ch 9
April 6 ↓ April 12	§ 9.2 § 9.3	§ 9.3: 1, 4ab, 11ab, 14.	
12	§ 10.2	§ 10.2: 2, 4, 11.	ch 10
April 13 ↓ April 19	§ 10.3 § 11.3	§ 10.3: 4, 6, 8, 12, 13.	
13	§ 11.3	§ 11.3: 3, 4, 7, 10a.	ch 11
April 20 ↓ April 26	§ 11.4 § 11.1 § 11.2	§ 11.4: 1, 2, 6, 9. § 11.1: 1, 2, 11.	
14	§ 12.1	§ 12.2: 1, 9.	ch 12
April 27 ↓ May 3	§ 12.2 § 12.3	§ 12.3: 5, 7.	
15	§ 13.1	<u>TURN IN YOUR TERM PAPER IN CLASS ON Monday of this week!</u>	
May 4 ↓ May 9	§ 13.2 § 13.3		
16			Term Papers ARE Due Monday, May 5 [No Late papers Accepted]

MAT 336
SPRING 2014
M&W 4-5:30 Chem 128

Weekly Quizzes	30%
Class Presentation	20%
Term Paper	50%

Americans with Disabilities Act: If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, ECC(Educational Communications Center) Building, Room 128, (631)632-6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.

Academic Integrity: Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at <http://www.stonybrook.edu/uaa/academicjudiciary/>

Critical Incident Management: Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of University Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures. Further information about most academic matters can be found in the Undergraduate Bulletin, the Undergraduate Class Schedule, and the Faculty-Employee Handbook.

Please contact me (Charles.robbins@stonybrook.edu or 2-7211) with any questions.

Best wishes for a successful productive semester.

Charles L. Robbins, Vice Provost for Undergraduate Education
and Dean of the Undergraduate Colleges