MAT 512 ALGEBRA FOR TEACHERS

SPRING 2009

0.1. Instructor Information.

Instructor: Lisa Berger
Office: Math 4-105
Email: lbrgr@math.sunysb.edu
Current Office Hours:
 Tuesdays:2:45-3:45
 Wednesdays:4:00-5:00
 Thursdays: 5:10-6:10

Office hours may be adjusted to accommodate the instructor's schedule and/or student needs. Students unable to meet during scheduled office hours are encouraged to schedule an appointment with the instructor.

0.2. Course Goals.
This is an advanced course in algebra. The topics of study are of particular interest and relevance to high school teachers, but the mathematics should be challenging for *you*. One goal for this course is to build connections between algebra and other branches of mathematics, so you should feel free to attack any problem using any mathematics you know and understand. Modest effort should introduce you to some of the connections between abstract algebra and high school algebra; more vigorous effort will give you a solid introduction to a beautiful field of advanced mathematics. Plan to work hard, solve a lot of interesting problems, and develop your skills in finding patterns, making conjectures, and proving theorems.

0.3. Textbook.
We will be using the textbook *Integers, Polynomials, and Rings*, by Ronald S. Irving.

0.4. Homework/Class Work/Quizzes.
Homework is an essential component of the course. Homework will be assigned and collected regularly, and selected problems will be graded. Submitted work should consist of mathematically sound arguments that are clear and grammatically correct. Late homework will not be accepted. Announced and/or unannounced quizzes may be given, and there may be assignments completed and collected during class. Students are expected to be present for class, and missed quizzes or classwork may *not* be completed for credit. The lowest 2 scores in the homework/classwork/quiz category will be dropped.

0.5. Exams.
There will be three exams. Exam 1 is *tentatively* scheduled for **Tuesday, March 3**. Details on exam 2 will be announced in class. The **final exam** is scheduled for **Thursday, May 14, 2008** from 5:00 pm to 7:30 pm.

0.6. Final Grades.
Final grades will be determined based on the breakdown below:
 (1) Exam 1: 20%
 (2) Exam 2: 20%
 (3) Final Exam: 25%
 (4) Homework/Quizzes/Classwork: 35%

0.7. **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 instance of academic dishonesty to the Academic Judiciary. 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/academic judiciary/.

0.8. **Disability Support Services.** If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services (631) 632 − 6748 or http://studentaffairs.stonybrook.edu/dss/. They will determine with you what accomodations are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go the the following website: http://www.stonybrook.edu/ehs/fire/disabilities/asp.

0.9. **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 Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, and/or inhibits students' ability to learn.