

APPLIED ALGEBRA (MAT 312/AMS 351)– LECTURE 01: SPRING 2017

Description. In this course we will discuss elementary results in number theory, set theory and group theory. Also several topics in coding theory are developed, related to number theory and group theory. Our text for the course is *Numbers, Groups and Codes*, second edition, by J.F.Humphreys and M.Y.Prest.

Prerequisite. C or higher in AMS 210 or MAT 211.

- **Giulia Saccà** is teaching Lecture 01.
Her office is in the math building **3-116**;
You can contact her by email at **giulia.sacca@stonybrook.edu**.
- **Yuanqi Wang** is teaching Recitation 01.
Email: **ywang@scgp.stonybrook.edu**.
- **Benjamin Sokolowsky** is teaching Recitation 02.
Email: **bsokolowsky@math.stonybrook.edu**

LECTURES AND RECITATIONS

	Instructor	Time	Location
Lecture 01	Giulia Saccà	Tue–Thu 10:00 – 11:20 am	Hvy Engr Lab 201
Recitation 01	Yuanqi Wang	Mon 11:00–11:53am	Harriman Hll 112
Recitation 02	Benjamin Sokolowsky	Mon 11:00–11:53am	Lgt Engr Lab 154

OFFICE HOURS

Instructor	Time	Location
Giulia Saccà	Tue–Thu 11:30am-12:30pm	Math 3–116
Yuanqi Wang	Mon 2pm-3pm and Wed 10am-11am	4104 Math-Tower
Benjamin Sokolowsky	Mon 10:00am-11:00am Mon 12:00pm-2:00pm	Physics D–107 Math Learning Center

HOMEWORK

Homework is assigned every Tuesday and should be handed in the following Tuesday. An email will be sent out every week to announce that the assignment has been posted.

The assignments will be found on our course Black Board website as well as on the course webpage. There is a no late homework policy for this class.

EXAMS

There is one in-class midterm and a final exam, scheduled as follows:

	Date	Location	Time
Midterm	Week of 3/20	In class	In class
Final exam	Friday 05/12/17	TBA	11:15am-1:45pm

If you continue with this course it is with the understanding that you are able to take all of the exams at the scheduled times. If you miss an exam for reasons beyond your control, then discuss this **as soon as possible** with either Giulia Saccà or your recitation teacher. **Scheduling problems such as another exam scheduled at the same time as your Mat 312-AMS 351 exam are not considered an acceptable reason for missing an exam.**

GRADING POLICY

Homework=30%,
Midterm=30%,
Final exam=40%.

Though class participation is not officially accounted for, attending classes is **strongly recommended**.

DISABILITY SUPPORT SERVICES (DSS) STATEMENT

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

ACADEMIC INTEGRITY STATEMENT AND STUDENT CONDUCT

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/academicjudiciary/>.

If you have a cell phone with you, please have it turned off or set to vibrate. Allowing your phone go off in class, playing with your phone, texting, or listening to music is inconsiderate. You will be asked to stop or leave the classroom.

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.

COURSE SCHEDULE

Week #	Date	Sections covered
1	01/23– 01/27	section 1.1
2	01/30– 02/03	sections 1.2-1.3
3	02/06– 02/10	sections 1.3-1.4
4	02/13– 02/17	sections 1.5
5	02/20–02/24	sections 1.6
6	02/27– 03/03	sections 2.1-2.2
7	03/06– 03/10	sections 2.3, 4.1
Spring Break!	03/13– 03/17	no classes
8	03/20– 03/24	Midterm and section 4.1
9	03/27– 03/31	sections 4.3
10	04/03– 04/07	section 5.1
11	04/10– 04/14	section 5.2
12	04/17– 04/ 21	section 5.3
13	04/24 – 04/28	section 5.4
14	05/01– 05/05	Review