

MAT 312/AMS 351, LECTURE 02: SPRING 2019

Topics and Text:

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.

Your Teachers:

Lowell Jones is teaching Lecture 02; his office is in 2-111 in math building; office hours are 12pm-1pm on Mondays, Wednesdays and Fridays; contact by phone at 632-8248 or by email at lowell.jones@stonybrook.edu

Ying Hong Tham is teaching both recitation 20 and recitation 21; office is 2-109 in math building; office hours are Friday 8am-9am in 2-109, and Wednesday 10am-11am and Thursday 10am-11am in MLC; contact at yinghong.tham@stonybrook.edu .

Homework

Homework is assigned for each week and should be handed in the following week to your recitation teacher during the recitation class for that week.

The first homework assignment can be found by going to the date 1/28/19 on the course “Calendar” (on our course Black Board website) and clicking on “HW 1 and topics”. HW 1 is due in your recitation class during the week of 2/4-2/6.

The second homework assignment can be found by going to the date 2/4/10 of the second week of classes and clicking on “HW 2 and topics”. HW 2 is due in your recitation class during the week of 2/11-2/15.

Likewise all later home work assignments can be found by going to the Monday of the appropriate week on our course “Calendar” and clicking on “HW and topics”; and they are due in your recitation class of the following week.

Exams There is one inclass midterm and a final exam, scheduled as follows:

Midterm: Friday 3/29/19, in lecture class.

Final exam: Thursday 5/16/19 , 11:15am-1:45pm (room assignment will be announced on this website towards end of semester).

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 your lecture teacher (Lowell Jones). 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%.

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 accomadations are necessary and appropriate. All information and documentation is confidential.

Academic Integrity Statement

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/>.

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 saftey of the learning environment, and/or inhibits students' ability to learn.

Course Schedule

week of 1/28-2/1: cover section 1.1
week of 2/4-2/8: cover sections 1.2-1.3
week of 2/11-2/15: cover sections 1.3-1.4
week of 2/18-2/22: cover section 1.5
week of 2/25-3/1: cover section 1.6
week of 3/4-3/8: cover sections 2.1-2.2
week of 3/11-3/15: cover sections 2.3,4.1
week of 3/18-3/22: spring recess (no classes)
week of 3/25-3/29: cover section 4.2; midterm on Friday 3/29
week of 4/1-4/5: cover section 4.3
week of 4/8-4/12: cover section 5.1
week of 4/15-4/19: cover section 5.2
week of 4/22-4/26: cover section 5.3
week of 4/29-5/3: cover section 5.4
week of 5/6-5/10: catchup and review; 5/10 is last day of class