

**Syllabus - Math 525**  
**Introduction to Linear Algebra**  
**Spring 2017**

**Instructor:** Dr. Haidong Wu  
**Office:** Hume 316  
**Office Hours:** M 3:15-4:15 PM, T 2:30-3:50 PM, W 2:15-3:45 PM or by appointments  
**Phone:** 662-915-7416  
**E-mail:** hwu@olemiss.edu  
**Text:** Contemporary Abstract Algebra by Joseph A. Gallian 8th edition  
**Class Time:** M W 1:00-2:15  
**Location:** Hume Hall 331

**Course contents and goals:** This is an introductory course to group theory. We plan to cover Chapters 1-11, and part of Chapter 24. The contents include definition of groups, subgroups, cyclic groups, permutation groups, group isomorphisms, cosets and Lagrange's Theorem, normal subgroups and Factor groups (or quotient groups), group homomorphisms, and fundamental theorem of Abelian groups. Our main goals are to provide the students with a solid background in group theory, to prepare for future courses and/or studies in abstract algebra, and enhance their critical thinking and analytical reasoning abilities.

**Grading Policy:**

1. Two tests each counting 100 points (lowest one can be replaced by the final percentage).
2. Homework/quizzes will count 100 points.
3. The final examination is comprehensive and will count 150.

The cumulative point total for the class is 450 points (200 points for tests, 150 points for the final, and 100 points for homework). Graduate students are expected to do more work on homework/tests/final.

**FINAL GRADE:** The following point scale will be used to determine your final grade:

<b>Grade</b>	<b>Percentage</b>	<b>Grade</b>	<b>Percentage</b>
A	93%	C <sup>+</sup>	77%
A <sup>-</sup>	90%	C	70%
B <sup>+</sup>	87%	D	60%
B	83%	F	below 60%
B <sup>-</sup>	80%		

Very Important:

1. There will be two major tests during the semester. Each test will count 100 points. The test questions will be similar in format to the examples in class and the homework problems. Please bring three large blue books without writing your names by the second week.
2. The lowest test grade will be replaced by the final exam percentage (if it is higher). Please note that the homework/quiz grade cannot be replaced.

3. If a test is missed for ANY reason, a grade of 0 will be given. There will be absolutely NO make-up tests given for ANY reason.
4. Any student who will miss one of the four tests because of an official University function must reschedule and take this test at a time BEFORE the test is scheduled to be given. NO OTHER rescheduling will be allowed.
5. Students must show all work for each test question and arrive at a correct answer.
6. The final examination is comprehensive and will count 150 points.
7. Any student having three or more final examinations scheduled for the same day will arrange with the instructor to take the Noon or the 7:30 p.m. examination on some other mutually satisfactory date.
8. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by # 3 or # 6 above.

**ATTENDANCE POLICY** Students are allowed (3) absences. Ten points are deducted from the final point total for each absence above the limit. It is the student's responsibility to make sure his/her attendance record is correct.

**CALCULATORS:** Electronic calculators, cell phones, and ipods are prohibited on tests and quizzes.

**ELECTRONIC DEVICES:** All cellular phones, pagers, and other electronic equipment should be turned off during the class period, during movies, in churches, bookstores, restaurants, elevators, grocery stores, and especially while operating a motor vehicle.

**ACADEMIC HONESTY:**

**Cheating:** The following statement is the policy of the Department of Mathematics in Math 525 regarding cheating:

**Offenses:** Cheating on any exam or quiz, theft or attempted theft of exam questions, possession of exam questions prior to the time for examination, or the use of an electronic device (**including cell phones**) on tests or quizzes shall all be offenses subject to appropriate penalties.

**Penalties:** The penalty for commission of any offense set out above is **failure** in the course (without possibility of academic forgiveness) and, subject to the approval of the Chancellor, dismissal or suspension from the University.

**WITHDRAWAL DEADLINE FOR SPRING 2017 SEMESTER:** Friday, March 3, 2017.  
After the course withdrawal deadline, courses dropped will be recorded on University records and the W grade will be recorded if the student is not failing the course at the time of withdrawal; otherwise the grade recorded will be F. After the course withdrawal deadline, a student may drop a course only in cases of extreme and unavoidable emergency as determined by the academic dean; dropping a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student is changing his or her major.

**ACADEMIC NEEDS:** It is the responsibility of any student with a disability who requests a reasonable accommodation to contact the Office of Student Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then work with the student so that a reasonable accommodation of any disability can be made.

Tentative Test dates: Test 1: Monday 2/27/2017; Test 2: Monday 4/10/2017

**SPECIAL DATES:**

Spring Break: Monday, March 13 - Friday, March 17

Withdraw deadline: Friday, March 3, 2017

Good Friday: April 14, 2017

Classes end: Friday, May 5, 2017

Final Exam: Wednesday, 12:00-3:00 pm, May 10

THE FINAL EXAM will be comprehensive.