Syllabus - Math 401 - Spring 2014

Instructor: Dr. Bing Wei
Office: Hume 310
Office Hours: M, T, W, TH: 11:00--11:50AM or by appointment
Phone: 662-915-1250
E-mail: bwei@olemiss.edu
Text: Introductory Combinatorics, fifth edition, by Richard. A. Brualdi
ISBN: 978-0-13-602040-0
Class Time: T, Th: 2:30--3:45 PM
Location: Hume 110

Course contents and goals: We will introduce some properties for finite sets and graphs, and explore some counting techniques. Our goals are to enable students to understand some basic concepts and rules in combinatorics, learn how to solve the problems by using combinatorial methods. As outcomes, after successfully completing this class, the students shall enhance their critical thinking and analytical reasoning abilities and be able to apply theories, techniques learned in this class to solve some real application problems.

Grading Policy:

1. Three major tests each counting 100 points. (**Dates:** T1: Feb 20, T2: March 27, T3: April 24).
2. Six homework sets counting a total of 100 points will be given. (One set can be dropped)
3. The final examination is comprehensive and will count 200 points.
4. The lowest test score is replaced by the average percentage on the final exam provided this average is higher.
5. The student shall prepare 4 large 8.5 by 11 inch blue examination books for use on the tests and final.

Final grade:

The cumulative point total for the class is 600 points (tests: 300, homework: 100, final: 200)

A: 558--600; **A-**: 540--557; **B+**: 522--539; **B:** 498--521; **B-:** 480--497
C+: 462--479; **C:** 420--461; **D:** 360--419; **F:** 0--359.

Very Important:

1. If a test is missed for any reason, a grade of 0 will be given. There will be no make up tests given for any reason other than official university functions. Any student who must miss an exam because of an official university function may reschedule the test before the test is originally scheduled. This is the only rescheduling allowed.
2. Homework problems will be given either in the class or posted on the Blackboard during the semester and late homework will be punished.
3. An "I" grade will not be given without the permission of the Department of Mathematics.
4. Students must show all work for all work in order to receive credit.
5. A student who wishes to discuss the grading policy, testing policy, or wishes to have a

conversation regarding the instructor of the course should make an appointment with the course supervisor in the Department of Mathematics.

6. Any student having three or more final exams scheduled for the same day may arrange with the instructor to take either the 12:00 noon or 7:30 p.m. exam at another time. This is the only reason that a final exam may be rescheduled. The student is required to take the final exam at the time scheduled.

7. Attendance is very important. I reserve the right to deduct some points from the total scores of the student who has more than 4 absences. Each student is responsible for all work missed due to absences.

Special Note: Students shall neither come into the class late nor leave early.

Cheating: The following statement is the policy of Department of Mathematics regarding cheating:

Offenses: Cheating on any exam, quiz, class work, or homework, theft of exam questions or possession of exam questions prior to the time for the exam shall all be offenses subject to the appropriate penalties.
Penalties: The penalty for commission of any offense set out above is failure in the course, and subject to the approval of the Chancellor, dismissal or suspension from the University.

Withdrawal Deadline Date for the 2014 Spring Semester: March 4, 2014. After the course withdrawal deadline, courses 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 an F. After the course withdrawal deadline a student may drop a course only in cases of extreme and unavoidable emergency as determined by the student's academic dean. Dropping the course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student is changing their major.

Special Dates: Spring Break: Monday, March 10 - Friday, March 14, 2014
Withdrawal Deadline Date: March 4, 2014
Good Friday: April 18, 2014
Last Day of Class: Friday, May 2, 2014
Final Exam: 4:00PM, May 6, 2014