MATH 2513-001   Discrete Mathematics   Fall 2005

This is the information sheet for Discrete Math, MATH 2513–001, for the Fall Semester 2005. It is your responsibility to acquaint yourself with all the information in this handout, and with any modifications to it that may be announced in class.

Instructor: Dr. Noel Brady.   **E-mail:** nbrady@math.ou.edu
Office: 521 Physical Sciences Center [PHSC].   **Office Phone:** 325-0833
Web Page: http://math.ou.edu/~nbrady
Math Office: 423 PHSC.   **Math Office Phone:** 325-6711

Course Web Page: http://math.ou.edu/~nbrady/teaching/f05-2513
Class Times and Venue: MWF 10:30am–11:20am in 223 PHSC.
Office Hours: Mon & Fri 8:30am–9:30am, Thu 10:30am–11:30am.

Text and Course Outline: We shall cover Chapters 1–4, 7, and some of Chapters 6,8,9 of the textbook, *Discrete Mathematics and its Applications* (5$^{\text{th}}$ Edition), by Kenneth H. Rosen.

This course introduces you to the foundational material of mathematics and provides you with a solid background for other math courses such as linear algebra, number theory, abstract algebra, topology and graph theory. In particular, we shall learn how to read, to understand and to construct mathematical proofs. We shall learn a variety of counting techniques, and shall become familiar with the concepts of set, function, relation (partial order relation and equivalence relation) and graph.

Attendance: You are required to attend all lectures, and are responsible for all information given out during them.

Grading Scheme: Grades will be assigned by weighting your totals from Homeworks, Quizzes, Midterms, and a Final Examination as shown in the chart below. The Grade scale is:

$$A \ = \ 85\% - 100\%\,; \qquad B \ = \ 70\% - 84\%\,; \qquad C \ = \ 55\% - 69\%\,; \qquad D \ = \ 40\% - 54\%$$

Component	When/Where	Percentage
Homework	In class every Friday	20%
Quiz	Several in-class	10%
Midterm I	Friday, Sep 23, 12:30pm–1:20pm, 223 PHSC	15%
Midterm II	Friday, Oct 21, 12:30pm–1:20pm, 223 PHSC	15%
Midterm III	Monday, Nov 21, 12:30pm–1:20pm, 223 PHSC	15%
Final Examination	Wednesday, Dec 14, 8:00am–10:00am, 223 PHSC	25%
TOTALS		100%

Homework: Homework will be due at the **start** of class on Fridays. You are responsible for ensuring that your homework gets turned in on time. Late homework will not be accepted; it upsets the grading process and is unfair to other students.

The homework assignments are there to provide you with a **minimum** level of exposure to the materials outside of class time. You will need to do many more problems before you feel comfortable with the concepts involved. Take it from experience (of generations of students!) that the way to succeed in a math course is to work (and understand) a large number of problems.

Taking Examinations: Here are a few notes on taking Examinations.

- You cannot use calculators/computers, books or any type of notes during the examinations.

- All examinations must be taken at scheduled times, except in *very extreme circumstances.* So be careful not to make travel arrangements that conflict with examination times. In particular, note that Midterm III is scheduled for the Monday before Thanksgiving Break. If you cannot take an examination at a scheduled time, you should contact me well in advance of the test time with a documentable reason, and we will set up a time for a make-up examination. Otherwise, an absence at an exam will result in a score of zero.

Policy on W/I Grades: If you drop this course on or before Friday, September 30, you will receive an automatic grade of "W". If you drop this course after this date, but on or before Friday, October 28, your grade will be "W" or "F", according to your standing in the class. Dropping the course after October 28 requires a petition to the Dean.

Students who are failing the course should not expect to receive an "I" grade in place of a "W" grade. I will only consider assigning an "I" grade if the student is already maintaining a passing grade, has completed most of the course work, and can demonstrate that he/she is unable to complete the work at this time due to circumstances beyond their control.

Academic misconduct: Visit http://www.ou.edu/provost/integrity for the rules governing cases of academic misconduct. See also the *Academic Misconduct Code*, which is part of the *Student Code* and can be found at http://www.ou.edu/studentcode.

Accommodation of Disabilities: The University of Oklahoma is committed to providing reasonable accomodation for all students with disabilities. If you require special accomodation in this course you are requested to speak with me as early in the semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accomodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone (405) 325-3852 or TDD only (405) 325-4173.