

MATH 2513 Section 002  
Discrete Mathematical Structures  
M,W,F 10:30 - 11:20, PHSC 0223

**Instructor:** Dr. Keri Kornelson  
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**Office Hours:** M: 2–3:30, T: 10–11, F: 2–3 or by appointment

**Course Assignments and Announcements:** The homework assignments and other announcements will be posted on the web each week. You will be notified by email of any changes in the posted assignments. The web address for the assignments is:  
<http://www.math.ou.edu/~kkornelson/teaching/m2513/hw-m2513-f08.html>

**Textbook:** *Discrete Mathematics and Its Applications*, Sixth Ed. by Kenneth H. Rosen, published by McGraw Hill.

**Grading:** Your grade will be determined by three exams, a cumulative final exam, homework, and frequent in-class activities and quizzes. The weights of each of these and the dates of the exams are shown below. Note: The dates of the mid-semester exams may change. This information will be announced in class and posted on the web.

Homework	15%	
Quizzes	5%	
Exam 1	15%	Wed. Sept. 17, 2008
Exam 2	20%	Fri. Oct. 17, 2008
Exam 3	20%	Wed. Nov. 19, 2008
<b>Final</b>	<b>25%</b>	<b>Thurs, Dec. 18, 2008</b> 8:00 - 10:00 a.m.

The final exam is a cumulative exam over all of the material covered in the course.

You must take these exams at their scheduled time and location, unless you have a university sanctioned excuse. *Do not plan your travel arrangements for the end of the semester until you have checked your exam schedule in all of your classes!*

**Quizzes:** There will be frequent short in-class quizzes given in this course. Most of these will be group activities with open books and notes. You will need to use the information from the lectures to complete these exercises, so be sure to pay attention and ask questions. Every few weeks, there will be the more traditional type of quiz requiring individual, unassisted effort. You will be advised in advance of the closed-book quizzes.

**Homework:** The assigned homework will be selected primarily from among the problems in the book. Occasionally there will also be supplemental problems which you will have to print out from the web page. Homework will be collected at the beginning of class, according to the schedule posted on the web. In general, there will be a weekly assignment due on each Wednesday. Any changes to this schedule will be announced in class and posted on the web. Please work neatly, and staple assignments which have more than one page. Late assignments will not be accepted without an approved excuse in writing, but I will drop the lowest two homework grades.

**Notes on the Homework:** You are expected to show all of your calculations on your homework assignments, and to clearly explain the steps you follow in solving each problem. Much of our emphasis this term will be in writing up valid mathematical arguments (proofs). This will take some practice to get the hang of it. You are always encouraged to work together and to meet with me to get assistance or to check over the writing of an assignment before it is due. *You should schedule at least 6-8 hours per week outside of class for completion of the assignments in this course.*

The new concepts and techniques presented in this or any mathematics course require time and practice to master. Homework is the hands-on *practice* needed to become comfortable with a new mathematical skill, just like shooting free-throws to become a better basketball player or playing chords and scales to improve as a musician. Think about math like other skills, and you discover some good study tips:

1. Watching someone else solve problems is only as helpful as, say, watching someone play the piano. It can give you a notion of how to get started, but you aren't learning until you're doing it yourself...a lot! It's great to get some help from friends and tutors, but promise yourself to work 2 similar problems on your own every time you watch someone else work out a problem.
2. Different people require varying amounts of practice to learn a technique. You should work all of the assigned problems, but you will generally have to work more problems than those assigned in order to be proficient. Keep in mind that the goal is familiarity with the particular mathematical skill, not just completing a homework assignment.
3. Cramming for exams doesn't work very well. It often takes a while before some complicated notions start to make sense. Just like in sports, missed workouts lead to poor performance.

**Make-Up Policy:** Make-ups for missed exams will only be allowed for a university-approved excuse in writing. Please let me know as early as possible in the semester if you must miss an exam due to an athletic event or other college activity.

**Some Important Dates:**

- Labor Day holiday, no class meeting: Monday, September 1, 2008.
- Last day to withdraw with an automatic W: Friday, October 3, 2008.
- Texas football game weekend (pending approval), no class meeting: Friday, October 10, 2008.
- Last day to withdraw with a W/F without petitioning the Dean's office: Friday, October 31, 2008.

**Academic Misconduct:** You are permitted (in fact encouraged) to work together and ask for assistance in solving homework problems, but you must write up the assignments independently. Work completed on exams and closed-book quizzes must be exclusively your own.

Academic dishonesty will not be tolerated in this course. *Don't do it!* You are responsible for reading and abiding by the University's policies concerning academic misconduct, which can be found at

<http://www.ou.edu/provost/integrity/>

You are also bound by the provisions of the *OU Student Code*, which can be found at

<http://judicial.ou.edu/content/view/27/32/>

All cases of suspected academic misconduct will be referred to the Dean of the College of Arts and Sciences for prosecution under the University's Academic Misconduct Code.

**Accommodation of Disabilities:** Please inform me as soon as possible if you have a disability or special need which requires accommodation in order for you to participate fully in this course. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations 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.