Syllabi   Course Syllabi

9-2013

M 225.01: Introduction to Discrete Mathematics

Cory T. Palmer
University of Montana - Missoula, cory.palmer@umontana.edu

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M 225. Intro to Discrete Mathematics. Autumn 2013.

Instructor: Cory Palmer
Office: 004E Math
E-mail: cory.palmer@umontana.edu
Office hours: Monday, 3:10-4:00 PM and by appointment.

• **Course description:** Mathematical concepts used in computer science with an emphasis on mathematical reasoning and proof techniques. Elementary logic, sets, functions and relations, combinatorics, mathematical induction, recursion and algorithms. Writing and understanding proofs will be an important part of this course.

• **Textbook:** *Discrete Mathematics and its Applications* by Rosen (6th edition). We will cover chapters 1-5 and selected topics (probably chapter 7 and 9) as time permits.

• **Class schedule:** MWF 12:10-1:00 PM in MATH 211

• **Homework:** Homework will be assigned (roughly) each week and will be due in class. You may work in groups on the homework, but be sure to write up your own answers. Late homework will not be accepted. As a courtesy for unforeseen circumstances two homework grades will be dropped. Homework missed due to illness, etc (with proper documentation) will also be dropped. Homework will be graded both on correctness and clearness of arguments. Work that is too difficult to read may be marked off.

• **Practice problems:** Practice problems will be posted to supplement the homework. These will not be collected but may help you prepare for the exams.

• **Midterms:** There will be two in-class midterms. They will be held early October and late November. There are no makeup midterms. Midterms missed due to illness, etc (with proper documentation) will be replaced with the final exam grade.

• **Final exam:** The final exam is scheduled for 8:00-10:00 AM, Tuesday, December 10. There are no makeup final exams. Schedule your travel plans accordingly!

• **Grading:** Your grade will be composed of: 25% homework, 45% from two midterms and 30% final exam. Letter grades and +/-s will be assigned according to the standard scale.

• **Class website:** The class website will include class announcements, homework assignments, readings, and a brief description of the topics covered in each lecture. Check it regularly!
http://cas.umt.edu/math/People/Palmer.html

• **Returned work**: Homework and exams will be returned in class. You may dispute the grade of your work within one week of the in-class return by filling out a grade dispute form (find blank forms on the class website).

• **Accommodations:** If you are entitled to accommodations sanctioned by DSS, you should notify me soon so we can make appropriate adjustments.