Mathematics 225

Introduction to Discrete Mathematics

Fall 2015
MWF 12:10-1:00 p.m. MATH 211

Instructor: Dan Johnston   **Office:** 012 Math
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Office Hours: Monday 1:00 pm - 3:00 pm and Thursday 9:00 am - 11:00 am

Textbook: *Discrete Mathematics and its Applications* by Rosen (7th edition).

Learning Outcomes:
1. To gain an in-depth look at several central themes of discrete mathematics;
2. To learn to reason mathematically and communicate ideas in a clear and concise man- ner;
3. To use induction and other techniques of mathematical proofs.

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. Each assignment will be worth 20 points. The lowest two homework scores will not count.

Exams: There will be three 50 minute exams, each of which will be 100 points (for a total of 300 points). The final exam will be 100 points, but counted twice (for a total of 200 points on the final exam). So there are five exam scores, each of which will be 100 points. Only the best four scores will count. So there are four exams, for a total of 400 points. No make-up will be given for the exams.

The final exam is a comprehensive exam and is scheduled

Friday, December 18, 8:00 am-10:00 am.

Do not miss the final exam.

Attendance: You are expected to attend class regularly. **You are responsible for all the material presented and all announcements made on the days you are absent or you are late.**

Accommodations: The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students. If you think you may have a disability adversely affecting your academic performance, and you have not already registered with Disability Services, please contact Disability Services in Lommasson Center 154 or 406.243.2243. I will work with you and Disability Services to provide an appropriate modification.

Academic Honesty: All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at `http://life.umt.edu/vpsa/policies/student_conduct.php`.