Math 2001: Discrete Mathematics, Spring 2009

Text: Discrete Mathematics DeMYSTiFied by Krantz

Section 001: MWF 2:00–2:50 ECCR 137

Professor: Keith A. Kearnes	**Email:** kearnes@euclid.colorado.edu
Office: Mathematics 233	**Phone:** 492–5203
Hours: M 11-11:50, TW 10-10:50	**WWW:** http://spot.colorado.edu/~kearnes

Course Description: Introduces the ideas of rigor and proof through an examination of basic set theory, quantification theory, elementary counting, discrete probability, and additional topics.

Prerequisites: Math 1300 or APPM 1350 (Calculus 1).

Homework and Exams: During the semester there will be regularly assigned homework, one midterm and a final exam. Your course grade will be computed according to the formula: **Grade** = **HW**(40%) + **Mid**(20%) + **Final**(40%). You must take the final exam to pass the course. Late homework will not be accepted. I will not count your two lowest homework scores.

Grading: You will be graded only on your written work. This work will be judged on the basis of correctness, completeness and legibility. Strings of formulas without explanation will not be accepted. Paragraph organization (where appropriate), complete sentences and correct punctuation are expected.

Dates:

Homework:	Usually due Wed	Fall Break/Thanks.:	Nov 23-27
Labor Day:	Sep 7	Last Day:	Dec 11
Mid term:	Oct 16	Final Exam:	Dec 17(7:30am)

Getting Help: Don't wait until it is too late if you need help. **Ask questions!** I am available during the office hours listed above and also at many other times. If you can't see me during office hours, then make an appointment with me to see me at a different time. I will also give short answers to questions sent by email.

WWW: Information concerning our class will be posted on my web page under the link for **Teaching**. A copy of any document I hand out in class will be accessible from this page.

Classroom Behavior: The CU classroom behavior policy can be found at `http://www.colorado.edu/policies/classbehavior.html`

Students with Disabilities: Students with disabilities who qualify for academic accommodations must provide a letter from Disability Services (DS) and discuss specific needs with me, preferably during the first two weeks of class. DS determines accommodations based on documented disabilities (303-492-8671, Willard 322, `http://www.colorado.edu/disabilityservices`).

Observance of Religious Holidays: If, because of religious obligations, a student has a conflict with scheduled exams, assignments, or other required attendance, the student should notify me at least two weeks in advance of the conflict to request special accommodation. I will provide the opportunity for a makeup exam or an equivalent assignment, or arrange for an increased flexibility in assignment due date.

Honor Code: Details of the Student Honor Code system can be found at `http://www.colorado.edu/academics/honorcode/` and `http://www.colorado.edu/policies/honor.html`. Sanctions for honor violations may include: a failing grade for a particular assignment; a failing grade for a particular course; and/or suspension for various lengths of time or permanent expulsion from the university.

The university administration has asked faculty to provide clear, explicit and detailed instructions about what constitutes plagiarism. In this course we will adhere to the definition drafted by the CU Law School: Plagiarism is the use of any written material which is submitted in a manner which purports or suggests that it is the work and effort of the person submitting it and that it was prepared by him or her as part or all of the task of completing the assignment, but which material is in substance the work of another or is material previously prepared by the student and which was previously submitted for, and which received, academic credit of any kind and the subsequent use of such material was not, in advance, specifically authorized by the faculty member for whom the work was being done.