CS261: Discrete Mathematics

Class Meeting Times and Location:
T R 9:30-10:45am @ Mechanical Engineering 218

Professor:
Dr. Shuang (Sean) Luan
Email: sluan@cs.unm.edu
Office: FEC 3110
Office Hours: W 11:00-12:00, R 1:00-2:00

Textbook:
DISCRETE MATHEMATICS AND ITS APPLICATIONS 8/E
Author: ROSEN
ISBN: 978-1259676512
Publisher: Mcgraw-hill Publishing Co
Note: Since most of the material covered are classic discrete mathematics, if you have a previous edition of the textbook it should also work.

Topics:
This course is an introduction to the formal mathematical concepts of computer science for the beginning student. Topics include proof techniques, elementary logic, set theory, counting and classic probability, relations, graph theory, etc.

Exam Schedule:
There will be 3 exams for this course. We will NOT use the University Final Exam Schedule. Please mark your calendars with the exam dates. You will be dropped from the class if you miss any exam.
Exam 1: Feb 27th (Thursday) during class period.
Exam 2: April 2nd (Thursday) during class period.
Exam 3: May 7th (Thursday) during class period.

Grading:
Homework (25%) + Exam 1 (25%) + Exam 2 (25%) + Exam 3 (25%)
Note that a final cumulative grade of $\geq 90\%$ is guaranteed an A, $\geq 60\%$ is guaranteed a pass (C), and the highest of the entire class is guaranteed an A+.

UNM Learn:
All announcements, lecture notes, homework, homework solutions, and various course information will be available through UNM Learn.

Homework Assignment:
Homework must be turned in at the beginning of the class period. Submission turned in up to 24 hours later will incur a 25% grade penalty. Submission turned in past 24 hours will be graded 0.
All homework turn-in must include a cover page.
All grade change of the homework must be done within 7 days after students get them back.

Academic Honesty:

You should be familiar with the UNM Academic Honesty Policy contained in the Pathfinder. Courses in the Internet age can present some difficult situations for the student as to what is allowable. The guiding principle is that the work you turn in must be your own, not merely in terms of the specific writing or code, but also in terms of the overall design. You are encouraged to collaborate on homework problems. If you choose to work in a study group, you are required to spend at least half an hour trying to solve each problem beforehand. If your group is unable to solve a problem, it is OK to talk to other groups or ask your instructor or TA for hints. You must write up each problem solution **on your own**. If you collaborate with others to solve the problem. please identify your collaborators. If you did not work with anyone, you should write **Collaborators: none.** The following are some examples of behavior that is not acceptable: Copying another person's solutions with or without their knowledge, emailing all or portions of your solution to another person, having another person write any portion of your solutions for you, copying a solution from the Internet with or without acknowledgement of source. Cheating will result in an automatic **F** for the entire course and turning the case over to the appropriate authorities for further disciplinary action. In cases of copying, where it is sometimes difficult to tell who was copying from whom, all students with knowledge of the cheating will be penalized except in rare circumstances. If in doubt as to whether a collaboration is cheating it is your responsibility to ask your instructor in advance.

Title IX:

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered responsible employees by the Department of Education (see pg 15 - http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: https://policy.unm.edu/university-policies/2000/2740.html

ADA:

In accordance with University Policy 2310 and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. If you have a disability, either permanent or temporary, contact Accessibility Resource Center at 277-3506 for additional information.