CS 2813-001  
DISCRETE STRUCTURES  
Spring 2017

Instructor: Dr. C. Kim, DEH 253, ckim@ou.edu.
Class Meetings: TR 1:30PM – 2:45PM, DAH 128.
Office Hours: MW 12PM – 1PM.
Teaching Assistant: To be announced later.
Prerequisites: CS 2603 (Applied Logic for Hardware and Software) or ECE 2213 or 2214 (Digital Design).


Course Content: The course covers the theory of discrete structures useful in computer science. Topics include logic, sets, proof methods, relations and functions, algorithms and complexity, integers, combinatorics (counting methods), recurrence relations, ordered sets, graphs and trees.

Student Activities:
- Homework Assignments (30 %)
- Two Midterm Exams (20 % each)
- Final Exam (30 %)

Remarks:
1. Students are required to attend all class meetings.
2. Assignments must be submitted on the due dates in class. All student activities are individual and cheating of any form will result in a formal academic misconduct charge.
3. Any student who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.
4. The College of Engineering utilizes student ratings as one of the bases for evaluating the teaching effectiveness of each of its faculty members. The results of these forms are important data used in the process of awarding tenure, making promotions, and giving salary increases. In addition, the faculty uses these forms to improve their own teaching effectiveness. The original request for the use of these forms came from students, and it is students who eventually benefit most from their use. Please take this task seriously and respond as honestly and precisely as possible, both to the machine-scored items and to the open-ended questions. On-line evaluation of this course can be done at http://eval.ou.edu.
5. ABET Outcome A: An ability to apply knowledge of computing and mathematics appropriate to the discipline.