CS182—Foundation of Computer Science
(http://www.cs.purdue.edu/homes/spa/cs182.html)
MWF 11:30 - 12:20 in Class of 1950 Lecture Hall 224

Professor: A. Grama and W. Szpankowski
E-mail: spa@cs.purdue.edu (only in the case of an emergency)
Office: LWSN 1201
Office Hours: WF 1:00–2:00 or by appointment
HEAD TA: Jihwan Lee (Head TA)
E-mail: jihwan@purdue.edu

Texts:

Recommended Text
E. Kinber and Carl Smith, Theory of Computing – a Gentle Introduction (Prentice Hall)

Approximate Course Outline (see the CS182 web page for details):
- Basic Logic
- The Language of Mathematics
- Proof Techniques including Mathematical Induction
- Algorithms
- Basic Number Theory (and Number Representation)
- Basic Counting
- Discrete Probability
- Trees
- Boolean algebra and combinatorial circuits
- Finite state machines
- Pushdown automata
- Complexity classes, computability, and undecidability

Course Work and Grading Policy
The course work consists of homeworks, quizzes, one midterm and the final. The final grade is based on 25% homeworks and programming assignments, 10% quizzes (no make-up but the worst score will be dropped), 30% midterm, and 35% final.

No late assignments will be accepted. (Homeworks will be collected in class on the due date.) If you want to re-grade your homework, you must contact your TA within 10 days of receiving your homework/quizzes/midterm back. No re-grading after this time. No incomplete. Missing exams imply a grade of zero in it, unless there is a proper reason (e.g., medical).