CS 3133 Foundations of Computer Science
C term 2012

Instructor: Gabor Sarkozy
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Teaching Assistants: TBA

Time: Lectures: M, T, R, F 3:00-3:50 in FL 320.

Text: There is one required text book for this course, *Languages and machines, 3rd Edition* by Thomas A. Sudkamp. The instructor may supply additional materials to supplement the text.

Goals of the course: The course introduces the theoretical foundations of computer science. These form the basis for a more complete understanding of the proficiency in computer science. Topics include computational models, formal languages, parsing, and an introduction to computability and complexity theory, including NP-completeness.

Expected background: Discrete structures (CS 2022) and algorithms (CS 2223).

Specific requirements and grading: Each week (usually on Monday), a homework assignment will be given. Each week's homework is to be turned in on Monday at the end of the class. Your average homework grade (dropping the two lowest scores) plus class participation will count 50% of your final grade.

You are encouraged to work in groups and talk to other students about the problems. However, the work you hand in must be your own independent write-up.

The other 50% of your final grade will be the AVERAGE of your two scores in:

- The mid-term exam (Thursday, February 2) and
- The final exam (Friday, March 2)

There will be no surprise, quickie exams.

LATE WORK WILL NEVER BE ACCEPTED !!!!!!!!