CS 3133 Foundations of Computer Science  
C term 2016  

Instructor: Gabor Sarkozy  
Teaching Assistants: TBA  
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Time: Lectures: M, T, R, F 3:00-3:50 in FL Upper Perrault Hall.  
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 mod-
els, 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 (drop-
ning the two lowest scores) plus class participation will count 1/3 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 2/3 of your final grade will be your two scores in:  

• The mid-term exam (Tuesday, February 9), 1/3 of your final grade and  

• The final exam (Friday, March 4), 1/3 of your final grade.  

There will be no surprise, quickie exams.  

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