CS 476
Automata Theory and Formal Languages

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TEXTBOOK: *Introduction to the Theory of Computation, 2nd Edition*, Michael Sipser, Course Technology, 2005. (The first edition from PWS Publishing Company, 1996, is also acceptable.)

GRADING:
Attendance: 3%
Quiz: 20%
Homework: 20%[1]
Midterm: 27%
Final: 30%

SYLLABUS:
- Finite automata
- Regular expressions and languages
- Context-free grammars and languages
- Pushdown automata
- Turing machines
- Decidability
- Complexity theory and NP-completeness
- Selected topics

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[1]For pass/fail decision, the grade without homeworks must be sufficient as well as the grade with homeworks.