1. General Information

Instructor: H. K. Dai
Teaching Assistant: W. Cui
Office Location: Mathematics, Statistics, and Computer Science Building
Room 209 Room 228
Office Hours: Monday/Wednesday 12:30 – 1:30 Tuesday/Thursday 1:30 – 2:45
(or by appointment)
Office Phone: 744-7207
email Address: dai@cs.okstate.edu weiqi.cui@okstate.edu

2. Course Description in Current University Catalog


3. Course Goals

The main goal of the course is to introduce abstract formal models of computational devices, and an appreciation for the powers and limitations of such formalisms. A secondary goal is to present a body of facts about and techniques for studying “classical” models, such as finite automata, context-free grammars, pushdown automata, and Turing machines, having important applications in a variety of other areas of computer science.

4. Course Materials and References

3. Lecture notes (sketchy): from course instructor.

5. Homework and Examinations

There will be about 4-5 homework assignments (written and in-class/person presentations of their solutions), a few unannounced quizzes, 1 test, and 1 final examination.

6. Course Grade

The course grade is based on the homework/presentations (30%), unannounced quizzes (10%) and test (25%), and final examination (35%). The passing letter-grade is determined by the following partition of the course grades:

D : [50, 60); C : [60, 70); B : [70, 85); and A : [85, 100]

7. Miscellaneous

1. Lectures: Lectures are not mandatory, but historically, students with active attendance have done significantly better on examinations than their less frequently attending classmates.
2. Homework: Problem sets form an important part of the learning in the course, and thus, you are required to do them in order to pass.
3. Collaboration: You are encouraged to collaborate in study groups on the solution of the homework. If you do collaborate you must write up solutions on your own and acknowledge your collaboration in the write-up for each problem. If you obtain a solution with help (e.g., through library work, another student, etc.), acknowledge your source, and write up the solution on your own.
8. Student Disability Services
Student Disability Services and other Student Services are committed to providing support services to students with physical and learning disabilities. Please advise the instructor of desired academic accommodations, and notify Student Disability Services.

9. Academic Dishonesty or Misconduct
Refer to the section in “University Academic Regulations” in current “University Catalog” (http://registrar.okstate.edu/)

10. Adding/Dropping/Withdrawal, Important Dates, and Syllabus Attachment

1. Test and Final Examination: Adopting “Fall 2018 Final Exam Schedule”, the firm time/date for final examination is 6:00 – 7:50 pm, December 13 (Thursday), 2018 in regular class meeting place.
   Refer to the section in “Fall 2018 Final Exams”:
   http://registrar.okstate.edu/

2. Adding/Dropping/Withdrawal and Important Dates: Refer to the section in “Academic Calendar”:
   http://registrar.okstate.edu/

3. Syllabus Attachment: Refer to:
   http://academicaffairs.okstate.edu/content/resources-students