1. General Information

Instructor: H. K. Dai
Teaching Assistant: Hien Nguyen

Office Location: [To be announced.]
Office Hours: Monday – Friday, 12:00 - 12:30
(or by appointment)
Office Phone:
email Address: dai@cs.okstate.edu

2. Course Description in Oklahoma State University - Catalog


3. Course Goals

The goal of Theoretical Foundations of Computing is to give students an ability to develop and rigorously reason about abstract formal models of computations, and to learn the powers and limitations of such formalism. “Classical” models, such as finite automata / regular expressions, pushdown automata / context-free grammars, and Turing machines will be studied in depth.

4. Course Materials and References

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

5. Homework and Examinations

There will be about 4 - 5 homework assignments, one test, and one final examination.

6. Course Grade

The course grade is based on the homework (35%), test (35%), and final examination (50%). 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. Academic Dishonesty or Misconduct
Refer to “Academic Regulations” (Vietnam National University Ho Chi Minh City - University of Information Technology).

9. Adding/Dropping/Withdrawing, and Important Dates

1. **Test and Final Examination**: To be announced.

2. **Adding/Dropping/Withdrawing and Important Dates**: Refer to “Academic Calendar” (Vietnam National University Ho Chi Minh City - University of Information Technology).