

Wright State University

CORE Scholar

Computer Science & Engineering Syllabi

College of Engineering & Computer Science

Fall 2010

CS 410/610: Theoretical Foundations of Computing

Pascal Hitzler

Wright State University - Main Campus, pascal.hitzler@wright.edu

Follow this and additional works at: https://corescholar.libraries.wright.edu/cecs_syllabi



Part of the [Computer Engineering Commons](#), and the [Computer Sciences Commons](#)

Repository Citation

Hitzler, P. (2010). CS 410/610: Theoretical Foundations of Computing. .
https://corescholar.libraries.wright.edu/cecs_syllabi/262

This Syllabus is brought to you for free and open access by the College of Engineering & Computer Science at CORE Scholar. It has been accepted for inclusion in Computer Science & Engineering Syllabi by an authorized administrator of CORE Scholar. For more information, please contact library-corescholar@wright.edu.

CS 410/610

Theoretical Foundations of Computing

Prof. Dr. Pascal Hitzler

Kno.e.sis Center, Wright State University, Dayton, Ohio

Fall Quarter 2010

Meeting Times

- Tuesdays and Thursdays, 4:10pm to 5:50pm, Rike Hall 161
- Office Hours: Thursdays 2pm to 3pm. Email contact is preferred.

Course Materials

- Required: Thomas S. Sudkamp, Languages and Machines, Addison Wesley, 3rd Edition, 2006. We will cover most of Part III, excluding Chapter 10.

Slides and my personal manuscript will be posted here as they become available. However, relevant for the exams is the material presented in class. If you miss a class, it's your responsibility to get all missing information.

Downloads

Slides 2010-09-07 - Introduction (final)

Slides 2010-09-09 - Infinities, Languages, Automata (final)

Slides 2010-09-09 - 2010-09-28 - Turing Machines (preliminary)

Evaluation

Homework (20%), mid-term exam (30%), final exam (50%)

Grading will follow a standard scale (A: 100-90, B: 89-80, C: 79-70, D: 69-60, F: 59-0)

- Homework: hand-in exercises are graded, and up to 5 points per exercise is awarded. An average of 4 points counts as 100% for the exercise part of the grade.

Course Outline (tbc)

Note the cancelled classes below. Replacement sessions on Fridays will be in Russ 346.

- Week 1 (9/6): (Tue) Intro, (Thur) Turing Machines. **no office hour**
- Week 2 (9/13): (Tue) Turinging Machines, (Thur) Turing Machines, (Fri) exercise session.
- Week 3 (9/20): **no classes, no office hour**
- Week 4 (9/27): (Tue) Turing Machines, (Thur) exercise session, (Fri) tbd
- Week 5 (10/4): (Tue) tbd, (Thur) tbd, (Fri) tbd
- Week 6 (10/11): (Tue) tbd, **no class on Thursday, no office hour**
- Week 7 (10/18): (Tue) tbd, (Thur) tbd, (Fri) tbd
- Week 8 (10/25): (Tue) tbd, (Thur) tbd
- Week 9 (11/1): (Tue) tbd, (Thur) tbd
- Week 10 (11/8): **no classes, no office hour**
- Exam week: tbd