

Computer Science 3611: Algorithm Analysis

Winter 2014

General Information

Revisions are in *bold italic*

The course meets MWF 10:30am in Dunn 406.

Instructor: Dr. R. Rosebrugh, Dunn 203

Prerequisite: CS 2631 *and* CS/MATH 2211

Text: *Algorithm Design* by Kleinberg and Tardos, 2006

Syllabus - Revised 28 Feb: We will cover Chapters 1-8 (excluding 4.3, 4.7-9, 5.5-6, 6.5, 6.10, 7.4, 7.6, 7.11-13) and ***some sections in Chapters 9-10 (to be specified in class)***.

Grades - Revised 28 Feb: will be assigned with approximately the following weights:

- Assignments: 25%
- Midterm Test: 20%
- ***Paper: 10%***
- Final Exam (2hr): 45%

The midterm test will be held on ***March 14, 2014*** .

Paper

The paper is optional and replaces the in-class presentation. Topics will be selected by March 7 from among those in Chapters 11-13 of the text in consultation with the instructor. For those choosing not to write a paper, the rest of the marks will be adjusted in proportion.

Check this URL regularly for information about the course.

Links

- The *Analysis of Algorithms Home Page* at <http://http://aofa.cs.purdue.edu/>
- Set of MIT lectures at <http://academicearth.org/courses/introduction-to-algorithms/>
- Set of lectures at <http://www.cs.sunysb.edu/~algorithm/lectures-good/>

Assignments

The regular written assignments are an essential part of the course.