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Preface

These are notes for the Sprint 2017 semester version of the Yale course CPSC 468/568 Computational Complexity. This document also incorporates the lecture schedule and assignments. Because this is a work in progress, it will be updated frequently over the course of the semester.

Much of the structure of the course follows the textbook, [[[ what textbook? ]]] In most cases you’ll find these textbooks contain much more detail than what is presented here, so it is probably better to consider this document a supplement to them than to treat it as your primary source of information.
Syllabus

Description

[[[ course description ]]]

Meeting times

Monday and Wednesday 1:00–2:15 in [[[ To be announced. ]]]

On-line course information

The lecture schedule, course notes, and all assignments can be found in a single gigantic PDF file at http://www.cs.yale.edu/homes/aspnes/classes/468/notes.pdf. You should probably bookmark this file, as it will be updated frequently.

For office hours, see http://www.cs.yale.edu/homes/aspnes#calendar

Staff

The instructor for the course is James Aspnes. Office: AKW 401. Email: james.aspnes@gmail.com URL: http://www.cs.yale.edu/homes/aspnes/

Textbook

The textbook for the class is: [[[ textbook ]]]

Reserved books at Bass library

[[[ reserved books ]]]
Course requirements

Use of outside help

Students are free to discuss homework problems and course material with each other, and to consult with the instructor or a TA. Solutions handed in, however, should be the student’s own work. If a student benefits substantially from hints or solutions received from fellow students or from outside sources, then the student should hand in their solution but acknowledge the outside sources, and we will apportion credit accordingly. Using outside resources in solving a problem is acceptable but plagiarism is not.

Clarifications for homework assignments

From time to time, ambiguities and errors may creep into homework assignments. Questions about the interpretation of homework assignments should be sent to the instructor at james.aspnes@gmail.com. Clarifications will appear in an updated version of the assignment.

Late assignments

Late assignments will not be accepted without a Dean’s Excuse.
Lecture schedule

As always, the future is uncertain, so you should take parts of the schedule that haven’t happened yet with a grain of salt. Readings refer to chapters or sections in the course notes, except for those specified as in [[[ textbook short name ]]], which refer to the course textbook [[[ cite textbook ]]]

Office hours, lecture times, and assignment due dates can be found at http://www.cs.yale.edu/homes/asnpe#calendar

2016-01-18 [[[ To be announced. ]]]
2016-01-20 [[[ To be announced. ]]]
2016-01-23 [[[ To be announced. ]]]
2016-01-25 [[[ To be announced. ]]]
2016-01-30 [[[ To be announced. ]]]
2016-02-01 [[[ To be announced. ]]]
2016-02-06 [[[ To be announced. ]]]
2016-02-08 [[[ To be announced. ]]]
2016-02-13 [[[ To be announced. ]]]
2016-02-15 [[[ To be announced. ]]]
2016-02-20 [[[ To be announced. ]]]
2016-02-22 [[[ To be announced. ]]]
2016-02-27 [[[ To be announced. ]]]
2016-03-01 [[[ To be announced. ]]]
2016-03-06  [[[ To be announced. ]]]
2016-03-08  [[[ To be announced. ]]]
2016-03-27  [[[ To be announced. ]]]
2016-03-29  [[[ To be announced. ]]]
2016-04-03  [[[ To be announced. ]]]
2016-04-05  [[[ To be announced. ]]]
2016-04-10  [[[ To be announced. ]]]
2016-04-12  [[[ To be announced. ]]]
2016-04-17  [[[ To be announced. ]]]
2016-04-19  [[[ To be announced. ]]]
2016-04-24  [[[ To be announced. ]]]
2016-04-26  [[[ To be announced. ]]]

[[[ To be announced. ]]] Final exam, at a time and place to be determined by the Registrar. It will be a closed-book test covering all material discussed during the semester.
LECTURE SCHEDULE

[[[ need some content ]]]
Appendix A

Assignments

Assignments are typically due [when?] [Assignments should be submitted in PDF format via the classesv2 Drop Box.]

A.1 Assignment 1: due [To be announced.]

[To be announced.]
[more assignments]
Bibliography