20th Century

21st Century
Components of COS 126 (ISC 233)

- Course website
- Textbook
- Booksite
- Lectures
- Class meetings
- Assignments
Course website

http://www.cs.princeton.edu/courses/archive/fall15/cos126/syllabus.html

COS 126 website.
- People.
- Syllabus.
- Lectures.
- Assignments.
- Exams.

http://www.cs.princeton.edu/courses/archive/spring16/cos233/

Caution! You are looking at an out-of-date version of this website from Fall 2015. To access the current version, click here.

LECTURES
COS 126 lectures are pre-recorded and posted online for your convenience. Note that each lecture has a due date; you will be responsible for its contents in precept after that date. We strongly suggest that you skim the required reading before watching the lecture and read it thoroughly soon afterward. We also recommend printing out the lecture slides to annotate as you watch. For more information, please see the Lectures FAQ.

http://www.cs.princeton.edu/courses/archive/spring16/cos233/
Textbook

- Full coverage of course material.
- Developed for this course.
- Use while learning and studying.

Coming in 2016.

- New edition of Chapters 1-4.
- New chapters 5, 6, 7.
- Available to you in March.
Booksite.

- Summary of content.
- Code, exercises, examples.
- Supplementary material.
- NOT the textbook.
- (also not the course web page).
- Use while online.

http://introcs.cs.princeton.edu  

bookmark this page, too!
Lectures

Online lecture materials on course website
• Copies of slides (.pdf and 4-up).
• Studio-produced videos.
• No more live lectures.
• Class meetings every day as usual.

Approaches to reviewing a lecture
• Watch before class meeting.
• Review before exams.
• Watch with a friend or a group.
• Bored? Try 1.5x or 2x.
• You tell us.
### Class meetings (ISC 233)

<table>
<thead>
<tr>
<th>Date</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday 29 Feb</td>
<td>Rules of the Game</td>
</tr>
<tr>
<td>Tuesday 1 Mar</td>
<td>Searching and Sorting</td>
</tr>
<tr>
<td></td>
<td>Stacks and Queues</td>
</tr>
<tr>
<td>Wednesday 2 Mar</td>
<td>Symbol Tables</td>
</tr>
<tr>
<td>Thursday 3 Mar</td>
<td>Clustering I (Arjun)</td>
</tr>
<tr>
<td>Friday 4 Mar</td>
<td>Clustering II (Arjun)</td>
</tr>
<tr>
<td>Monday 28 Mar</td>
<td>Theory of Computing</td>
</tr>
<tr>
<td></td>
<td>Turing Machines</td>
</tr>
<tr>
<td>Tuesday 29 Mar</td>
<td>Intractability</td>
</tr>
<tr>
<td>Wednesday 30 Mar</td>
<td>A Computing Machine von Neumann Machines</td>
</tr>
<tr>
<td>Thursday 31 Mar</td>
<td>Circuits</td>
</tr>
<tr>
<td>Friday 1 Apr</td>
<td>CPU</td>
</tr>
<tr>
<td>Monday 4 Apr</td>
<td>Review</td>
</tr>
<tr>
<td>Thursday 7 Apr</td>
<td>EXAM</td>
</tr>
</tbody>
</table>

**Preparation for class meetings**

- Watch assigned lecture(s).
- Create an exam question/solution.
- Check old exams for examples.
- Working in groups preferred.
- e-mail to rs@cs.princeton.edu before 6AM.
Assignments (ISC 233)

http://www.cs.princeton.edu/courses/archive/spring16/cos233/

Stay tuned for details from preceptors
- Borislav Hristov (borislav@cs.princeton.edu).
- Daniel Munro (dmunro@princeton.edu).

General rules
- Follow links from COS233 web page (above)
- All assignments are (optional) pair programming.
- Dropbox submission via web link.

<table>
<thead>
<tr>
<th>This week</th>
<th>Languages Warmup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday 8 Mar</td>
<td>Guitar Hero</td>
</tr>
<tr>
<td>Tuesday 22 Mar</td>
<td>k-means</td>
</tr>
<tr>
<td>Tuesday 29 Mar</td>
<td>TSP</td>
</tr>
<tr>
<td>Tuesday 5 Apr</td>
<td>Markov</td>
</tr>
<tr>
<td>Thursday 7 Apr</td>
<td>EXAM</td>
</tr>
</tbody>
</table>

Do “Languages Warmup” before precept THIS WEEK (do not submit).