CIS 415 : Operating Systems -- Spring 2010

Instructor: Ginnie Lo (lo@cs.uoregon.edu)
Office Hours: TBA
Office: Deschutes 262

GTF: Kaveh Kazemi (kaveh@cs.uoregon.edu)
Office Hours: TBA
Office: Deschutes 230

Course Details:

Time & Location: Tu/Th 12:00 - 13:20, Deady 306
Discussion sessions: Friday 12:00-12:50 (254 LA) / 14:00-14:50 (246 GER)
Prerequisite: CIS 313, CIS 314
Credits: 4
CRN: 31953 (Discussions: 31955/31954)

Course Description

This is a beginning course in operating systems that will help you to understand the fundamental principles guiding operating system design. The course will discuss primarily software, assuming that you are familiar with the hardware issues covered in CIS 314. You should be confident of your programming skills before entering this course, particularly with the data structures used in CIS 313 and 323. By the end of this course, you should feel comfortable with the structures present in operating systems, abstractions for units of execution (processes, threads) and the support an OS provides for scheduling and concurrency, as well as the OS role in the management of key resources including memory, files, I/O devices.

Textbook

- 7th Edition feasible but homework problems will not match.

Workload

<table>
<thead>
<tr>
<th></th>
<th>20%</th>
<th>25%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homeworks/quizzes</td>
<td>20%</td>
<td>25%</td>
</tr>
<tr>
<td>Programming</td>
<td>25%</td>
<td>Choice of Java or C</td>
</tr>
<tr>
<td>Midterm</td>
<td>25%</td>
<td>May 6 in class. One page notes</td>
</tr>
<tr>
<td>Final</td>
<td>30%</td>
<td>June 7, 8-10 am. One page notes</td>
</tr>
</tbody>
</table>

Course Policies (Exams, Due Dates)

Exam makeups are allowed only due to illness (with signed excuse from a doctor) or to unforeseen events. Exams are closed book but you are allowed to bring one page of notes. No electronic devices allowed. No late assignments accepted!
University Policy: the Student Conduct Code

What are plagiarism, fabrication, cheating and other forms of academic misconduct? Read the University's definitions in the Definitions section of the Student Conduct Code. The code also describes the procedures your CIS instructor will follow in the event of individual student violations of the code.