

Operating Systems

CSC-4320/6320 –Summer 2014

Introduction

- My name
 - Dustin Kempton
- My contact information
 - Office: 25 Park Place, #651G
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 - Website: <http://www.cs.gsu.edu/~dkempton1>
 - Office Hours: 1:00-2:00 p.m. Tuesday & Thursday or by appointment
- Your TA
 - Yanjun Zhao
 - Office: 25 Park Place, #640C
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Course Goals

- Role(s) of an operating system
- Principles of operating system design and kernel implementation
- Most important features of operating systems practical importance, i.e. Linux and Windows
- Components of modern operating systems: memory and virtual memory management, process and thread management, file systems, process and thread communication, operating system virtualization
- I want this to be a “hands on” class, as I find this to be the most interesting and effective way to learn
 - We will look at code, and we will write code.

First Day Stuff

- Syllabus
 - Access through my webpage using the teaching link
 - <http://www.cs.gsu.edu/~dkempton1>
- D2L
 - You will need access to D2L
 - Assignments will be submitted in electronic form in dropbox
 - Assignments will always be due 11:59 p.m. on due date, unless otherwise announced

How not to Pass this Course?

- Do not come to lectures
 - It's summer, therefore hard to be inside, slides are on-line, there is a textbook
 - Many things are said in class that relate directly to assignments and exams, there may be some discussions that occur in class that I feel would be a great test topic.
- Do not ask questions in class, office hours, or e-mail
 - Asking questions helps reinforce your understanding of lectures
 - Well thought out questions (especially via e-mail) help to avoid wasting time on assignments
 - I hate finding out that students have been “stuck” on an assignment for a week before asking about it

Programming Assignments

- Programming Assignments in this course are CHALLENGING, this is an upper level course, I expect you to be able to accomplish what would be expected of you at an employer
- Advice #1: Read the full assignment the day it is posted
 - Take time to think about the problem and formulate questions
 - Read thoroughly, a missed word can make a problem intractable
- Advice #2: Start Early
 - Don't think "I work under pressure," writing correct solutions take time and a deep understanding of course materials
 - I will not answer "I wrote some code but it does not work" or "I don't understand <insert concept taught in class here>" questions on the due date of assignments.
 - A lack of planning on your part does not constitute an emergency on mine.

Questions about the Syllabus?