



CS 6065 - Fall 2016

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(based on materials from Paul Talaga)

Class Overview

CS6065 vs IT3037C

Syllabus

Why Take this Course?

Assumed background

Cloud Discussion

About Instructor

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IT3037C - Cloud Computing

- IT Slant on Cloud Computing
 - How to:
 - Build
 - Manage
 - *not use or develop for*
 - Mainly infrastructure as a service (IaaS)
 - VMWare and Linux systems
- Interested? We're building our own!

Syllabus (in the Cloud!)

- <https://docs.google.com/document/d/1Gi3NN1Y9VVpw-k3IgV2LZhoBq2lbHjMTDJ0BHRrFbFE/edit?usp=sharing>
- Link on canopy.uc.edu

Why take Intro to Cloud Computing?

- This is where the cutting edge CS is!
- Industry is leading academia :-(
- Facebook, Google, Amazon, etc... all develop cloud infrastructures.
- Nearly any business can benefit from cloud computing!
- It's where the jobs are!
- Future of computing?

Cloud Computing and You

- 'Fill in the gaps' of CS curriculum
- Introduce new jargon - more marketable
- Allow you to be more productive
- Understand large systems and build them
- Keys to the **startup** kingdom!

Assumed Background (?)

- HTML AJAX?
- A Web Scripting language (PHP, Ruby, Perl, .Net, Python, Javascript)
- Unix
 - Command-line: ls, cd, cp, scp, **ssh**
 - Editors: Emacs/VI
 - Moving files, compilation
- Basic Networking: IP, HTTP, TCP, DNS
 - How the internet works?
- Good programming skills in at least 1 language
 - We'll be using Python and Java
- Know what **Google.com** is and how to use it!

What is Cloud Computing? What the 'Experts' say.....



What is Cloud Computing to you?