IT 4990: Cloud Computing

Spring 2019 Schedule

Week 1

In class:
- Overview of course
- Module 0 Coverage (30-45 minutes)
- Login to AWS training portal
- Navigating online curriculum
- Starting labs
- AWS Free Tier Access
- AWS Educate Credits
- Simple Linux EC2 instance creation in the sandbox (15 minutes)
- Accessing an Linux EC2 instance (5 minutes)
- Simple Windows EC2 instance creation in the sandbox (15 minutes)
- Accessing a Windows EC2 instance

Before Next Class:
- Review Module 0 as needed
- Complete all the materials associated with Module 1 (135 minutes)
- Work through Module 2.0.1 (70 minutes) then complete:
  - Lab 1 (45 minutes) (Introduction to EC2)
  - Complete Module 2.0.2 (75 minutes) then complete:
  - Lab 2 (45 minutes) (Working with EBS)
  - Complete Module 2.0.3 (40 minutes) then complete
  - Lab 3 (45 minutes) (Build your VPC and launch a web server)

Week 2

In Class:
- Review of previous week contents (15 minutes)
- Questions
- Walk through ancillary lab with students (30 minutes)

Before Next class:
- Module 2.0.4 (55 minutes)
- Lab 4 (45 minutes) (Build your DB server and Interact)
- Module 2.0.5 (35 minutes)
- Lab 5 (45 minutes) (Scale and Load Balance your architecture)
- Module 3
- Lab 6 (45 minutes) (Intro to AWS IAM)
- Modules 4 and 5 (90 minutes)

Week 3

In Class:
- Review of previous week contents (15 minutes)
- Questions
- Exam Review
  - Pricing Review
  - Practice Exam
- How to register for real exam
  - Discount codes

Before Next Class:
- Take the real exam

Week 4