Schedule and outline

Texts

- DevOps for Web Development (Abbreviated as DWD below)

Week 1

- Topics:
  - Continuous Deployment & Integration
  - Git

- Readings:
  - What is Dev Ops
  - Youtube video
  - DWD-ch 1
  - Continuous Integration

- Slides

- Assignment

Week 2

- Topics:
  - GIT
  - Continuous Deployment & Integration

- Readings:
  - Git intro
  - DWD-ch 2

- Slides

- Assignment

- Assignment

Week 3

- Topics:
  - Jenkins

- Readings:
  - DWD-ch 2
  - DWD-ch 3

- Slides

- Assignment

- Assignment

- Assignment
Week 4

- Topics:
  - Jenkins - Deployment to Tomcat
- Assignment

Exam 1

Week 5

- Topics:
  - Vagrant
- Slides
  - Slides
  - Assignment

Week 6

- Topics:
  - AWS vagrant
  - Slides
  - Aws notes
  - Vagrant and AWS Screens
  - AWS AMI Screens

Week 7

- Topics:
  - Google Cloud Platform
  - Automated Configuration (Configuration Management)
  - Ansible
- Readings:
  - How ansible works
  - Benefits of CM
  - Ansible Getting Started (Also covered in my slides)
- Slides
  - GCP Screens
  - Assignment

Week 8

- Topics:
  - Ansible Playbooks
  - Readings:
    - Ansible Playbooks Intro
    - More about playbooks
- Slides
  - Assignment

Week 9
Week 10

- Topics:
  - Chef
  - Docker
- Exam 3
- Readings:
  - Docker
- Assignment
- Assignment

Week 11

- Topics:
  - Docker

Week 12

- Continuous Monitoring:
  - Nagios
- Readings:
  - Continuous Monitoring
- Video:
  - Monitoring for DevOps and Microservices
- Slides
- Assignment

Week 13

- Microservices
- Readings:
  - Monolithic pattern
  - Microservice pattern
  - Breaking away from the monolith
  - The 12 factor app
- Slides

Week 14

Week 15

Final - See date on syllabus