Schedule and outline

Texts

- **DevOps for Web Development** (Abbreviated as DWD below)
- **The phoenix project**

Week 1

- Topics:
  - Continuous Deployment & Integration
  - Git
- Readings:
  - [What is Dev Ops](#)
  - [Youtube video](#)
  - [DWD-ch 1](#)
  - [Continuous Integration](#)
  - [Git intro](#)
  - [DWD-ch 2](#)
  - [The phoenix project] Chapters 1 - 2

- **Slides**
- **Slides**
- **Slides**
- **Assignment**

Week 2

- Topics:
  - AWS
- Readings:
  - The phoenix project up through chapter 6

- **Aws notes**
- **Assignment**
- **Assignment**

Week 3

- Topics:
  - Jenkins
- Readings:
  - [DWD-ch 2](#)
  - [DWD-ch 3](#)
  - The phoenix project up through chapter 10

- **Slides**
- **Assignment**
- **Assignment**
- **Assignment**
**Week 4**

- **Topics:**
  - Jenkins - Deployment to Tomcat
- **Assignment**
- **Readings:**
  - reading phoenix up through chapter 14

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**Week 5**

Exam 1

- **Readings:**
  - phoenix up through chapter 18

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**Week 6**

- **Topics:**
  - Vagrant
- **Slides**
- **Slides**
- **Assignment**
- **Readings:**
  - phoenix up through chapter 22

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**Week 7**

- **Topics:**
  - AWS vagrant
- **Slides**
- **Vagrant and AWS Screens**
- **AWS AMI Screens**
- **Assignment**

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**Week 8**

- **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 9

- Topics:
  - Ansible Playbooks
- Readings:
  - [Ansible Playbooks Intro](#)
  - [More about playbooks](#)
- Slides
- Assignment

Week 10

- Topics:
  - More ansible
  - Vagrant + Ansible
- Assignment
- Assignment

Week 11

- Topics:
  - Chef
  - Docker
- Exam 3
- Readings:
  - [Docker](#)
- Assignment
- Assignment

Week 12

- Topics:
  - Docker

Week 13

- Continuous Monitoring:
  - Nagios
- Readings:
  - [Continuous Monitoring](#)
- Video:
  - [Monitoring for DevOps and Microservices](#)
- Slides
- Assignment

Week 14

- Microservices
- Readings:
  - [Monolithic pattern](#)
  - [Microservice pattern](#)
  - [Breaking away from the monolith](#)
  - [The 12 factor app](#)
- Slides
- Assignment
Final - See date on syllabus