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

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:

- Questions
- Review of previous week contents (15 minutes)
  - Kahoot - Module 1
- Walk through ancillary lab with students (30 minutes)
  - Extra lab 1

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:

- Questions
- Review of previous week contents (15 minutes)
  - Kahoot - Module 2
  - Kahoot - Module 3
- Exam Review
  - Extra lab 2
  - Practice Exam
- How to register for real exam
  - Discount codes

Before Next Class:

- Take the real exam
**Week 4**

- Take the real exam sometime this week.

**Week 5**

In Class:

- Begin ACA curriculum
- Start in on Module 1 (30-40 minutes)
- Introduce Lab? (10 min)
- Homework tasks (3 min)

Before Next class:

- Finish Module 1 (~100 minutes)
- Module 2 (154 minutes)
- Module 3 (120 minutes)
- Lab 1 (Making your Environment Highly Available)(45 min)

**Week 6**

In Class:

- Review/Questions (10 minutes)
- Kahoot
  - Module 2
  - Module 3
- Exercise #1 (Improve this architecture)(5 min)
- Exercise #2 (Improve this architecture)(5 min)
- Group discussion 1 (Forklifting an Existing Application) (20 min)
- Introduce Labs (10-15)
- Homework tasks (3 min)

Before Next class:

- Complete Module 4 (124 min)
- Lab 2 (Using Notifications to Trigger AWS Lambda)(45min)
- Module 5 (110 minutes)
- Module 6 (65 minutes)
- Module 7 (118 minutes)
- Lab 3 (55 min, Automating Infrastructure Deployment with AWS)

**Week 7**

In Class:

- New labs
- Questions (10min)
- Exercise 3 (Improve this architecture)(10min)
- Project #1 Introduction (20 min)
- Project #1 Role Play (30 min)
- Homework tasks (3 min)

Before Next Class:

- Module 8 (60)
- Module 9 (60)
- Module 10 (170)
- Module 11 (96)
- Lab 4 (Implementing a Serverless Architecture with AWS managed services)(30)
- Lab 5 (Introducing Amazon cloudfront)(40)
- Work on project 1(up to 10 hours)

**Week 8**

In class:
• Questions (3)
• Project 1 Presentations (45)
• Reviews
  • Kahoot module 8
  • Kahoot module 9
  • Kahoot module 10
  • Kahoot module 11
• Exercise #4 (Improve this Architecture) (10) - module 11
• Homework tasks (3 min)

Before Next class:

• Module 12 (52)
• Module 13 (124)
• Module 14 (56)
• Module 15 (86)
• Lab 6 (Multi-Region failover with Amazon Route 53)

**Week 9**

In class:

• Reviews
  • Kahoot module 12
  • Kahoot module 13
• Exercise #5 (Improve this Architecture) (5)
• Exercise #6 (Improve this Architecture) (5)
• Exam Review
• Homework: (submitted electronically within a week)
• Introduce Project #2 (30 min)
• Project #2 (up to 10 hours)
• Exam Codes

Before next class:

Take practice exam Work on Project #2

**Week 10**

In class:

• Present project #2
• More Review

**Remaining weeks**

• Take the real exam
• Retake if necessary