WEEK 1

DevOps Fundamentals	AWS
 Introduction to DevOps Linux OS & basic commands Shell scripting Git essentials Network essentials 	Access control & billingAWS cloud networksEC2 & S3Lambda
week 3 Application Development Essentials	WEEK 4 Containers
Advanced GitPython appJava appJavascript app	 Introduction to containers Dockerfile Build application in Docker Docker remote repositories
WEEK 5 Container Orchestration I	WEEK 6 Container Orchestration II
 Introduction to container orchestration Introduction to Kubernetes Pods, deployments, services 	Kubernetes in the cloudKubernetes & Helm
week 7 Observability System	week 8 Break, Catch-up & Review
Logging systemMonitoring system	
WEEK 9 Midterm I	WEEK 10 Infrastructure-as-Code I
Midterm I	 Infrastructure-as-Code Fundamentals Introduction to Terraform & Terraform fundamentals End-to-end infrastructure with Terraform AWS CloudFormation
WEEK 11 Infrastructure-as-Code II	WEEK 12 CI/CD I
 Configuration Management with Ansible Part I Configuration Management with Ansible Part II 	Introduction to CI/CDJenkins fundamentals & freestyleJenkins pipeline

WEEK 2

WEEK 13

CI/CD II	Break, Catch-up & Review
AWS CodebuildGitHub ActionsTravisCl, CircleCl	
WEEK 15 Midterm II	WEEK 16 Advanced Topics I
• Midterm II	Deployment Strategies IDeployment Strategies II
WEEK 17 Advanced Topics II	WEEK 18 Advanced Topics III
Security I Security II	Service MeshAPI GatewayHashicorp Packer
WEEK 19 Advanced Topics IV	WEEK 20 Guest Lectures & Bonus Topics
Introduction to GitOpsFluxArgoCDJenkins Xt	Guest Lectures & Bonus Topics
week 21 Break, Catch-up & Review	WEEK 22 Midterm III
	• Midterm III
WEEK 23 Panel Discussions & Final Capstone Project Prep	WEEK 24 Final Capstone Project
Panel DiscussionsFinal Capstone Project Prep	Final Capstone Project Presentations

WEEK 14