

# AWS Academy Cloud Foundations (ACF) Course Outline

**Instructor : Ajay Gupta**

## Description

*AWS Academy Cloud Foundations* is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.

## Course Objectives

Upon completion of this course, students will be able to:

- Define the AWS Cloud
- Explain the AWS pricing philosophy
- Identify the global infrastructure components of AWS
- Describe the security and compliance measures of the AWS Cloud, including AWS Identity And Access Management (IAM)
- Create a virtual private cloud (VPC) by using Amazon Virtual Private Cloud (Amazon VPC)
- Demonstrate when to use Amazon Elastic Compute Cloud (Amazon EC2), AWS Lambda, and AWS Elastic Beanstalk
- Differentiate between Amazon Simple Storage Service (Amazon S3), Amazon Elastic Block Store (Amazon EBS), Amazon Elastic File System (Amazon EFS), and Amazon Simple Storage Service Glacier (Amazon S3 Glacier)
- Demonstrate when to use AWS database services, including Amazon Relational Database Service (Amazon RDS), Amazon DynamoDB, Amazon Redshift, and Amazon Aurora
- Explain the architectural principles of the AWS Cloud
- Explore key concepts related to Elastic Load Balancing, Amazon CloudWatch, and Amazon EC2 Auto Scaling

## Duration

Aug 28, 2021 - Oct 19, 2021.

## Student Prerequisites

This is an entry-level course, but students should possess:

- General IT technical knowledge
- General IT business knowledge

## Delivery Methods

This course is delivered with digital training models that students can complete independently.

## Learning Resources

- Lecture materials
- Online multiple-choice knowledge checks
- Lab exercises
- Digital training (optional)
- Video introductions
- Video demos
- Example solutions

## Grading Scale

Task	Weightage
End Of Module Quizzes	20%
Score on AWS training exams from Digital Cloud	50%
AWS Certification Exam	30%

**NOTE:** If You **Pass** the AWS Certification Exam , you get an “**A**” for the course.