

Cloud Technologies Course Outline

The Cloud Technologies Certificate course provides an overview of cloud computing technologies, develops a deep understanding of the models and classification, and helps you understand the landscape of technologies used in the cloud as well as those used by users of cloud services.

The Cloud Technologies class will include hands on workshop, multiple group projects and presentations and a final multiple choice open book online examination. This would require off-class group collaboration and preparation for presentation. The final group presentation and a multi-choice Q&A will be considered as the final exam for this class.

TOPICS

Unit 1 Introduction to Cloud Computing

Unit 2 Comparison: Native vs. Web Applications

Unit 3 NIST and Federal Cloud Computing Strategy

Unit 4 Cloud Service Models: IAAS, PAAS and SAAS

Unit 5 SAAS Review and Comparison: Google Apps vs Office 365

Unit 6 Setting up and using Google Applications

Unit 7 Setting up and using Office 365

Unit 8 IAAS: Infrastructure As A Service

Unit 9 Amazon Web Services (AWS): Technologies and Services

Unit 10 Content Management System (CMS): Wordpress and Drupal

Unit 11 Configuring DrupalGardens.com SAAS

Unit 12 Setting up a new company domain, creating a CMS Site and integrating with Google Email