

GOOGLE CLOUD COMPUTING FOUNDATIONS

MULTI-FACULTY

COURSE OUTLINE :

The Google Cloud Computing Foundations course aims to provide a detailed overview of concepts covering cloud basics, big data, and machine learning and where and how the Google Cloud Platform fits in. The course involves understanding concepts and perform hands-on training (via Qwiklabs platform) to practice the learning. There are 26 labs on Qwiklabs that are part of the course.

Those enrolling for the course should ideally:

- Have basic IT knowledge and be interested in learning more about Cloud and ML.
- Have competency in at least one language (such as Python, Java).
- Be familiar with the basics of shell scripting, SQL.

Disclaimer:

Google may contact you by email to provision benefits and send surveys and other communication related to the Google Cloud Computing Foundations Course.

By joining, you agree to Google Cloud Training tracking your grades and other activity in its learning program.

ABOUT INSTRUCTOR :

Prof. Soumya K. Ghosh received the Ph.D. and M.Tech. degrees from Department of Computer Science and Engineering, Indian Institute of Technology (IIT), Kharagpur, India. Presently, he is a Professor with Department of Computer Science and Engineering, IIT Kharagpur. Before joining IIT Kharagpur, he worked for the Indian Space Research Organization in the area of satellite remote sensing and geographic information systems. He has more than 200 research papers in reputed journals and conference proceedings. His research interests include spatial data science, spatial web services and cloud computing..

Prof.Sowmya Kannan is the Global Lead for Google Cloud Learning in Higher Education. Sowmya Kannan has a broad range of experience in professional services, product engineering, technical writing, and technical curriculum development. She co-authored The Java Tutorial book at Oracle. As technical lead for application development curriculum at Google Cloud, Sowmya developed Coursera courses related Developing Applications with Google Cloud Platform.

Prof.Priyanka Vergadia is an engineer at Google Cloud. Previously she has worked at Akamai Technologies, Intel and Genesys Telecommunications. She creates online learning content on Cloud related topics, her series "Get Cooking in Cloud" and "Deconstructing Chatbots" are available on Google Cloud Youtube Channel. While she is not producing videos, writing blogs or speaking at conferences, she draws and paints.

Prof.Seth Vargo is an engineer at Google Cloud. Previously he worked at HashiCorp, Chef Software, CustomInk, and some Pittsburgh-based startups. He is the author of Learning Chef and is passionate about reducing inequality in technology. When he is not writing, working on open source, teaching, or speaking at conferences, Seth advises non-profits.

Prof.Evan is a self-proclaimed board game geek, triathlete, data junkie, and big data teacher. He lives in San Jose and once swam from near Alcatraz back to shore. He's a nerd for good data visualizations and enjoys debating how the word .gif is pronounced.

Prof.Philipp Maier is a technical curriculum developer at Google with a focus on Cloud Infrastructure and Networking. He got his Master's from Stanford University in Aerospace Engineering where he developed a passion for teaching. In his free time he likes to hike, run, cycle, snowboard, travel and cook.

Prof.Alex Hanna is a researcher on the ethical AI team at Google. She holds a MSc and PhD from University of Wisconsin-Madison in sociology.

COURSE PLAN :

Week 1: Introduction to the course,So, What's the Cloud anyway? Start with a Solid Platform

Week 2: Use GCP to build your Apps

Week 3: Where do I store this stuff?

Week 4: There's an API for that! You can't secure the Cloud right?

Week 5: It helps to network!

Week 6: It helps to network (continued)

Week 7: Let Google keep an eye on things. You have the data, but what are you doing with it?

Week 8: Let machines do the work