Whether building IoT applications or web-scale services, in today’s world, you’ll need to build applications in the cloud. This course is about the tools and processes that make modern software projects thrive. It’s about fast, reliable and continuous deployments with zero-downtime and ability to roll-back. It's about scaling to any number of servers, design of self-healing systems capable of recuperation from both hardware and software failures and about centralized logging and monitoring of the cluster. It’s about DevOps.

From Amazon “What is DevOps” DevOps is the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes.

The aim of the course is to help students gain familiarity with the tools and practices, including concepts such as micro-services and infrastructure as code.

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Time: Tues / Thurs 11am – 12:15  
Location: ECEE 265