



# Welcome to BTH!

## Applied Cloud Computing and Big Data, 7.5 credits

### Course information

The overall goal of the course is to get you started with understanding when and how to use cloud services, and to understand the basics of big data analytics. The course consists of assignments that both allow you to reflect on the topic, but also to work through hands-on examples of solving a big data problem and setting up and provisioning cloud services.

All course material is available at <https://mickesv.github.io/cloudbd/>. You are welcome to start browsing the material and start working as soon as possible.

We invite you to an introductory lecture on the *28:th of August between 13:00 and 15:00*. This meeting is online, using Adobe Connect. The Meeting URL is <https://connect.sunet.se/cloudbd/>. Welcome!

Throughout the course we are available on the same Adobe Connect URL on Tuesdays between 13:30 and 14:30 to answer questions or discuss the course in general.

We will be using AdobeConnect in the course. Please review the material at: [https://studentportal.bth.se/web/studentportal.nsf/web.xsp/adobe\\_connect](https://studentportal.bth.se/web/studentportal.nsf/web.xsp/adobe_connect) to get started with this. We also recommend that you make sure that you have a decent headset with a microphone (for example, the USB headset Logitech H390, or equivalent from any other brand). The sound quality in your mobile phone headsets is usually not sufficient.

The course is centered around three themes, Big Data and the Cloud Business Case, Cloud Provisioning and Deployment, and Big Data Analytics. Each theme is divided

into one or several smaller sets of work, which we call *sprints*. During these sprints you work on deliverables for each theme. These are continuously assessed throughout the course as you communicate with the teachers.

## Literature

The official course literature is:

- J. Rosenberg, A. Mateos, *The Cloud at your Service*, Manning, 2010. ISBN-10: 1935182528 | ISBN-13: 978-1935182528
- G. Reese *Cloud Application Architectures*, O'Reilly, 2009. ISBN-10: 0596156367 | ISBN-13: 978-0596156367

A longer list of course literature is available at:

<https://mickesv.github.io/cloudbd/Sprint0-Course-Intro.html#materials> . During the sprints, you will primarily work with the first two books (Rosenberg, and Reese), and the rest should be seen more as tips for further reading.

## Student account

To register, you need a student account at BTH and internet access.

From August 7, 2017, you can get your account information via the Student Portal, [www.bth.se/studentportalen](http://www.bth.se/studentportalen).

In the Student Portal you can see what services at BTH you can access with your student account.

## Registration

To be admitted to a course means that you have been offered a study place on the course. In order to keep your study place, you must **register**. You must be registered to participate in the lessons and examination.

Register at [www.bth.se/studentportalen](http://www.bth.se/studentportalen), choose “Registration” and log in with your student account. The registration opens 3 weeks before the course starts. If you, for some reason, cannot carry out the registration yourself, contact Studentcentrum, [studentcentrum@bth.se](mailto:studentcentrum@bth.se)

The registration is also the basis for CSN’s decision regarding your eligibility to

receive financial aid. You can apply for up to one academic year at a time.

# Learning Management System

Itslearning is BTH's online Learning Management System (LMS) and is used in most programmes and courses at BTH. You log in via the Student Portal with your student account around the clock. You will find your courses when you click on "My Courses" under "Learning platform" in the middle of the page (it may take up to four hours after registration before you can see your course here). In itslearning you will find all information about the course. You will also find lecture notes, assignments and sometimes discussion forums and tests.

Welcome to BTH!

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