



Course syllabus

Faculty of Technology

Department of Computer Science and Media Technology

4DV115 Testning för webb och mobila applikationer, 3,5
högskolepoäng

Testing for web and mobile applications, 3.5 credits

Main field of study

Computer Science

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

Second Level

Progression

A1N

Date of Ratification

Approved 2015-04-28

Revised 2018-04-23 by Faculty of Technology. Removal of ECTS-grading scale.

The course syllabus is valid from autumn semester 2018

Prerequisites

Bachelor degree in Computer Science or equivalent subject. Candidates that do not fulfill these prerequisites can have their relevant working experience validated as a prerequisite knowledge. In principle two years of relevant working experience are considered equivalent to one year of university studies at basic level.

Objectives

Upon completion, the students should be able to:

- Have a good knowledge and understanding of different approaches for unit tests of web and mobile applications
- Have a good understanding of different methods for conducting user and usability testing for web and mobile applications
- Have good set of skills and abilities for using different testing tools for conducting unit tests of web and mobile applications
- Have the abilities to decide a proper testing scenario for a particular web and mobile application.

Content

The course comprises of different topics relevant to the web and mobile application testing:

- Differences between web and mobile application testing and standard software testing
- Overview of the underlying technologies used for web and mobile applications and how those technologies affect testing
- Different techniques and tools for web and mobile application testing
- Testing scenarios of web and mobile applications in diverse settings.

Type of Instruction

Lectures, mandatory seminars and workshops

Examination

The course is assessed with the grades Fail (U) or Pass (G).

Assessment in this course will be comprised of: written and oral examinations, assignments as well as seminar work.

Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

Required Reading and Additional Study Material

Required reading

Mark Garzone (Latest edition) Software Testing: A Guide to Testing Mobile Apps, Websites, and Games

Narayanan Palani (Latest edition) Mobile Software Testing

Scientific articles distributed by Department of Computer Science 200 pages

Other online resources