



Faculty of Economic Sciences, Communication and IT
Computer Science

Syllabus

Course Approval

The syllabus was approved by the Faculty Board of Economic Sciences, Communication and IT on 26 October 2010, and is valid from the Spring semester of 2011 at Karlstad University.

Course Code: DVGB09

Software Test Design, 7.5 ECTS Credits

(Testdesign för programvara, 7.5 Swedish credit points)

Degree Level: Bachelor

Progressive Specialisation: G1F (First cycle, has less than 60 credits in first-cycle course/s as entry requirements)

Language of Instruction

Swedish

Prerequisites

Computer Science 30 ECTS cr

Major Field of Study

DVA (Computer Science)

Learning Outcomes

Upon completion of the course, students should be able to:

- explain and discuss basic test concepts,
- give an account of different test levels,
- perform effective test design,
- use tools and techniques to test software, and
- design and organise test cases.

Content and Form of Instruction

Students learn how software testing works. Particular attention is paid to test design, test models, test techniques and test levels and how test cases are developed. Instruction is in the form of lectures, literature with study guides and support material. Hand-in assignments are required. There are also practical exercises and laboratory work in which test models and test techniques are used.

Reading List

See separate document.

Examination

Assessment is based on laboratory work presented in lab reports and on the oral presentation of the final laboratory assignment to the course examiner and the fellow-students.

Grades

One of the grades 5 (Distinction), 4 (Some Distinction), 3 Pass, or Fail (U), is awarded in the examination of the course and its modules

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course assessment is based on student views and experiences as reported in written course evaluations and/or group discussions. Students will be informed of the result of the evaluation and of the measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional Information

Students who enrolled before 1 July 2007 will complete their studies in accordance with the requirements of the earlier admission. Upon completion students may request degree and course certificates to be issued under the current ordinance if they meet its requirements.

The local regulations for studies at the Bachelor's and Master's levels at Karlstad University stipulate the obligations and rights of students and staff.

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