



Faculty of Economic Sciences, Communication and IT
Information Systems

Syllabus

Course Approval

The syllabus was approved by the Faculty Board of Economic Sciences, Communication and IT on 22 August 2012, and is valid from the Spring semester of 2013 at Karlstad University.

Course Code: ISGB15

JavaScript for Webdevelopment, 5.0 ECTS Credits

(JavaScript för webbutveckling, 5.0 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

The courses ISGA11 HTML and CSS for Webdevelopment 5 ECTS cr and ISGA04 Basic programming, or equivalent.

Major Field of Study

IKA (Information Systems)

Learning Outcomes

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

- produce programs written in JavaScript,
- use built-in methods and properties of classes and objects in JavaScript
- create their own functions (methods) and handle exceptions,
- use event handling to call functions and methods,
- validate indata in HTML forms (Hypertext Markup Language), and
- use DOM (Document Object Model) to change the structure of HTML-documents to change CSS properties (Cascading Style Sheets).

Content and Form of Instruction

The course treats how to create interactive and dynamic web pages interpreted in the web reader, in JavaScript. More specifically, this involves using methods and properties of classes and objects, creating functions and using event handling to call functions and methods. In addition, the course deals with HTML-form validation and how to use DOM to change HTML and CSS.

Reading List

See separate document.

Examination

Assessment is based on hand-in assignments and a written exam.

Grades

One of the grades Distinction (VG), Pass (G), or Fail (U) is awarded in the exam.

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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