



COURSE SYLLABUS

Client-side Programming II, 7.5 credits

Klientprogrammering II, 7,5 högskolepoäng

Course Code: T2KK19	Education Cycle: First-cycle level
Confirmed by: Dean Dec 4, 2018	Disciplinary domain: Technology
Valid From: Jan 1, 2019	Subject group: DT1
Version: 1	Specialised in: GIF
	Main field of study: Informatics

Intended Learning Outcomes (ILO)

After a successful course, the student shall

Knowledge and understanding

- demonstrate comprehension of different design principles in the development of JavaScript applications
- show familiarity with task runners, bundlers and package managers

Skills and abilities

- demonstrate the ability to create web applications with a graphical user interface
- demonstrate the ability to apply existing JavaScript libraries and frameworks
- demonstrate the ability to communicate with modern browser APIs, like geolocation and device orientation, to improve the user experience

Contents

The course is a follow up on the prerequisite course Client-side programming I, which focused on learning the basics of programming using JavaScript. The main focus in this course is to create an interactive web application for mobile devices. Therefore, the content of this course depends on what areas of client-side programming the students wish to immerse in. Individual- and group tutoring is the predominant form of teaching in this course.

The course includes the following parts:

- JavaScript, object-oriented client-side programming
- Reusable JavaScript-libraries
- Manipulating HTML and Document Object Model
- Design principles and concepts including Event-driven programming, module handling and closures

Type of instruction

Workshops, tutoring and project work.

The teaching is conducted in English.

Prerequisites

General entry requirements and a passing grade in the courses Web and User Interface Design 9 credits and Graphic Design and Visual Communication I, 15 credits (or the equivalent).

Examination and grades

The course is graded 5,4,3 or Fail.

The final grade for the course is based on a balanced set of assessments. The final grade will only be issued after satisfactory completion of all assessments.

Registration of examination:

Name of the Test	Value	Grading
Written and oral presentation of project work	5 credits	5/4/3/U
Assignments	2.5 credits	5/4/3/U

Course literature

Literature

The literature list for the course will be provided one month before the course starts.

Online resources will be recommended at course introduction and throughout the course