



## COURSE SYLLABUS

# Client-side Programming I, 7.5 credits

*Klientprogrammering I, 7,5 högskolepoäng*

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<b>Course Code:</b>	T1KK18	<b>Education Cycle:</b>	First-cycle level
<b>Confirmed by:</b>	Dean Apr 6, 2018	<b>Disciplinary domain:</b>	Technology
<b>Valid From:</b>	Aug 1, 2018	<b>Subject group:</b>	DT1
<b>Version:</b>	1	<b>Specialised in:</b>	G1F
		<b>Main field of study:</b>	Informatics

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### Intended Learning Outcomes (ILO)

After a successful course, the student shall

Knowledge and understanding

- display knowledge and understanding of basic concepts of programming like variables, data types, iterations, conditional statements and functions
- display knowledge of core concepts of object-orientation
- show familiarity with the possibilities, limitations and current uses of JavaScript
- demonstrate comprehension of the relationship between JavaScript, HTML and CSS

Skills and abilities

- demonstrate the ability to troubleshoot and identify basic programming errors
- demonstrate the ability to autonomously solve a given problem and choose a suitable method

### Contents

The course comprises modules giving theoretical as well as practical skills for developing modern web applications.

The course includes the following parts:

- JavaScript, object-oriented client-side programming
- Manipulating HTML and Document Object Model
- Event-driven programming

### Type of instruction

Lectures, workshops and assignments.

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 examination	5 credits	5/4/3/U
Laboratory 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.

Author: Freeman, E & Robson, E

Title: Head first JavaScript programming

Publisher: O'Reilly Media.

ISBN: 9781449340131