



## Course syllabus

Faculty of Technology  
Department of Media Technology

1ME322 Webbteknik 2, 7,5 högskolepoäng  
Web Technology 2, 7.5 credits

### **Main field of study**

Media Technology

### **Subject Group**

Media Production

### **Level of classification**

First Level

### **Progression**

G1F

### **Date of Ratification**

Approved by Faculty of Technology 2014-12-02  
The course syllabus is valid from autumn semester 2015

### **Prerequisites**

NO VALUE DEFINED

## Objectives

Upon completion of the course the student should:

- be able to use a client-based script language to enhance the user experience on web sites
- master methods for design of object-based, event-driven programs in a client-based script language to create dynamic and interactive web sites

## Content

The course consists of the following parts:

- fundamental programming in script languages (JavaScript)
- dynamic management of information on the web – combination of HTML, CSS, JavaScript and DOM
- object-based and event-driven programming
- interactivity and dynamic effects on web pages
- debugging of code with a debug tool

## Type of Instruction

The teaching consists of lectures, laborations and seminars.

## Examination

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

(VG).

The examination consists of submission on mandatory hand in assignments. These must be submitted by the due date.

In order to pass, the objectives of the course should be achieved.

### **Course Evaluation**

A course evaluation will be carried out and compiled after the course is completed. The compilation will be presented to the current board as well as to the students and filed.

### **Required Reading and Additional Study Material**

#### **Required Reading**

McPeak, J. & Wilton, P. (latest edition) Beginning JavaScript. John Wiley & Sons, Inc., appr. 740 pages. (Fifth edition from 2015 or later)

Garrett, J. J. (latest edition) The Elements of User Experience, Second edition, New Riders, appr. 200 pages.

Web-based material, Linnaeus University, et al., corresponding to appr. 400 pages.