



COURSE SYLLABUS

Front-End Fundamentals, 7.5 credits

Grundläggande frontend-utveckling, 7,5 högskolepoäng

Course Code: TGEK15	Education Cycle: First-cycle level
Confirmed by: Dean Mar 1, 2024	Disciplinary domain: Technology
Valid From: Jan 1, 2025	Subject group: IF1
Version: 1	Specialised in: GIF
	Main field of study: Informatics

Intended Learning Outcomes (ILO)

After a successful course, the student shall

Knowledge and understanding

- show familiarity with the communication between web clients and web servers
- demonstrate comprehension of the relationship between HTML, CSS, and JavaScript
- display knowledge of responsive web design principles and best practice

Skills and abilities

- demonstrate the ability to apply HTML, CSS, and JavaScript when developing web pages with and without given specifications
- demonstrate the ability to develop web pages according to principles and best practise of responsive web design and accessibility

Judgement and approach

- demonstrate the ability to suggest a user interface, evaluate the written code, and motivate why certain techniques and practices were used.

Contents

The course comprises contemporary and basic techniques to create modern web pages for desktop as well as mobile devices.

The course includes the following parts:

- HTML
- CSS
- Manipulation of HTML and CSS with the help of JavaScript through the DOM
- Accessibility guidelines
- Responsive design

Type of instruction

Lectures, workshops, and assignments.

The teaching is conducted in English.

Prerequisites

General entry requirements and taken course Foundations of Programming 7,5 credits (or the equivalent).

Examination and grades

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

Registration of examination:

Name of the Test	Value	Grading
Examination [†]	5 credits	5/4/3/U
Assignment	2.5 credits	U/G

[†] Determines the final grade of the course, which is issued only when all course units have been passed.

Course literature

Literature

Literature determined 8 weeks before the course starts.

Title: HTML and CSS: Visual QuickStart Guide

Author: Casabona, J.

Publisher: Peachpit Press

ISBN: 9780136702566