JÖNKÖPING UNIVERSITY
School of Engineering

COURSE SYLLABUS

Front-End Fundamentals, 7.5 credits

Grundläggande frontend-utveckling, 7.5 högskolepoäng

Course Code:	TGEK15	Education Cycle:	First-cycle level
Confirmed:	Feb 01, 2025	Disciplinary domain:	Technology
Valid From:	Jan 19, 2026	Subject group:	Informatics/Computer and Systems Sciences
		Specialised in:	G1F First cycle, has less than 60 credits in first-cycle course/s as entry requirements
		Main field of study:	Informatics

Intended Learning Outcomes (ILO)

On completion of the 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 practice of responsive web design and accessibility

Judgment and approach

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

Content

The course comprises contemporary and basic techniques to create 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.

Language of instruction is in English.

Entry requirements

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 U.

Registration of examination:

Name of the Test	Value	Grading
Assignment	2.5 credits	G/U
Examination [1]	5 credits	5/4/3/U

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

Course literature

Please note that changes may be made to the reading list up until eight weeks before the start of the course.

Title: HTML and CSS: Visual QuickStart Guide
Author: Casabona, J.
Publisher: Peachpit Press
ISBN: 9780136702566