



Web design

Webbdesign

7.5 credits

7.5 högskolepoäng

Ladok Code: C1WD1A

Version: 1.0

Established by: Committee for Education in Librarianship, Information, and IT 2023-06-07

Valid from: Spring 2024

Education Cycle: First cycle

Main Field of Study (Progressive Specialisation): Informatics (G1N)

Disciplinary Domain: Natural sciences

Prerequisites: General entry requirements for university studies.

Subject Area: Informatics/Computer and Systems Sciences

Grading Scale: Seven-degree grading scale (A-F)

Content

The course contains several parts that together constitute prerequisites for successful web design. The following areas are covered:

- website design, including content and navigation,
- usability and accessibility in relation to the web,
- evaluation of the usability of websites,
- responsive design,
- front-end: HTML and CSS, as well as scripts for interactivity,
- back-end: introduction to server coding and database connections.

Learning Outcomes

After completing the course, the student will be able to:

Knowledge and understanding

- 1.1 explain usability requirements for web applications,
- 1.2 explain principles for effective website navigation,
- 1.3 explain website design principles,
- 1.4 explain how HTML and CSS can be used in website design,
- 1.5 explain how a website can be made dynamic with front-end and back-end coding,
- 1.6 explain principles for web accessibility.

Skills and abilities

- 2.1 analyse websites from a usability perspective,
- 2.2 write code for the front-end (HTML and CSS),
- 2.3 write code for back-end (server-side coding)
- 2.4 produce your own smaller website

Judgement and approach

- 3.1 evaluate and critically review the design of websites,
- 3.2 reflect on a website based on previously identified requirements for usability, function, and design, and
- 3.3 relate to challenges that users with special needs may have on websites.

Forms of Teaching

The teaching consists of lectures, workshops, project work, seminars, and supervision.

The language of instruction is English.

Forms of Examination

The course will be examined through the following examination elements:

Examination

Learning outcomes:

Credits: 3.5

Grading scale: Seven-degree grading scale (A-F)

Project assignment

Learning outcomes:

Credits: 3

Grading scale: Fail (U) or Pass (G)

Seminar

Learning outcomes:

Credits: 1

Grading scale: Fail (U) or Pass (G)

For the grade E on the whole course, a minimum of the grade E is required on the Exam and a passing grade on the other examination components is required. A higher grade for the entire course is then determined by the grade on the Exam.

If the student has received a decision/recommendation regarding special pedagogical support from the University of Borås due to disability or special needs, the examiner has the right to make accommodations when it comes to examination. The examiner must, based on the objectives of the course syllabus, determine whether the examination can be adapted in accordance with the decision/recommendation.

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

Literature and Other Teaching Methods

The course literature is in English.

Niederst Robbins, J. (2018). Learning web design: a beginner's guide to HTML, CSS, JavaScript and web graphics. Sebastopol: O'Reilly.

Nielsen, J. & Loranger, H. (2006). Prioritizing Web Usability. Berkley: New Riders. Additional texts of a smaller scope may be assigned by the teacher during the course.

Student Influence and Evaluation

The course is evaluated in accordance with current guidelines for course evaluations at the University of Borås in which students' views are to be gathered. The course evaluation report is published and returned to participating and prospective students in accordance with the above-mentioned guidelines, and will be taken into consideration in the future development of courses and education programmes. Course coordinators are responsible for ensuring that the evaluations are conducted as described above.

Miscellaneous

The course is given as a freestanding course.

This syllabus is a translation from the Swedish original.