



Electronic Publishing with XHTML and CSS Elektronisk publicering med XHTML och CSS

7.5 credits

7.5 högskolepoäng

Ladok Code: 31FEL1

Version: 1.1

Established by: Utskottet för utbildningar inom bibliotek, information och IT 2016-03-18

Valid from: Spring 2016

Education Cycle: First cycle

Main Field of Study (Progressive Specialisation): Informatics (G1N), Library and Information Science (G1N)

Disciplinary Domain: Natural sciences

Prerequisites: There are no explicit prerequisites.

Subject Area: Informatics/Computer and Systems Sciences

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

Content

The course teaches electronic publication on the internet using HTML5, CSS and XHTML, with focus on the two former techniques. The theoretical focus lies on semantic web and content tagging, fields which are strongly connected to core areas within library and information science, like knowledge organization and information management. From this point of view, the course teaches practical knowledge of web authoring using aforementioned techniques, and how to use content tagging for Search Engine Optimization (SEO).

Learning Outcomes

After completion of the course the student should be able to, concerning,

Knowledge and understanding

1.1 Understand and make explicit the basics of semantic web

1.2 Explain the useability of content tagging from a search engine optimization point of view

Skills and abilities

2.1 Produce and publish a website with an accompanying style-sheet, according to technical standards and prevailing conventions

2.2 Use aforementioned techniques in a formally valid way for content publishing

2.3 Use content tagging for Search Engine Optimization

Values and perspectives

3.1 Evaluate and motivate the choice of structure and semantics when coding in HTML5

Forms of Teaching

Teaching in the course consists of

- lectures
- exercises

The language of instruction is English.

Forms of Examination

Examination of the course occurs through:

Examination: Written assignment about semantic web and content tagging

Learning outcomes 1.1, 1.2 and 3.1

Credits: 3,0

Grading Scale: A-F

Project work: Web site development and -design

Learning outcomes 2.1, 2.2 and 2.3

Credits: 4,5

Grading Scale: U-G

For grade E for the whole course, at least the grade G or E holds for every examination part. The grade E or higher for the whole course is based on the grading of the Examination.

In the event of changes in course plans students who wish to complete courses can be examined on the basis of the most recent version of the course plan. For courses that are no longer running, students who wish to complete such courses can read all or part of an equivalent course.

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

Literature and Other Teaching Methods

The literature is in english.

Bos, B. et al (red.) (1998). Cascading Style Sheets, level 2 CSS2 Specification: W3C Recommendation. W3C. (approx. 9 p.)

Duckett, J. (2014). HTML and CSS: Design and build websites. Indianapolis, IN: John Wiley & Sons. (approx. 462 p.)

Google (2010). Google Search Engine Optimization Starter Guide. Google. (approx. 32 p.)

Hickson, I. et al (red.) (2014). HTML5 A vocabulary and associated APIs for HTML and XHTML: W3C Recommendation. W3C. (approx. 31 p.)

Lie, H. & Bos, B. (1999). Cascading Style Sheets, level 1. W3C. (approx. 73 p.)

In total: 607 pages.

In addition, web resources and web based documents (approx 100 pages).

Student Influence and Evaluation

The course is evaluated in accordance with the current guidelines for course evaluations at the University of Borås, where students' views should be sought. The course evaluation report will be published and disseminated to participating and prospective students in accordance with the current guidelines, and forms the basis for future development of courses and training programs. The course coordinator is responsible for that the evaluation is performed according to current guidelines.

Miscellaneous

The course is a free standing course.