UNIVERSITY OF BORÅS

Technologies of Digital Libraries 2
Teknik för digitala bibliotek 2

7.5 credits
7.5 högskolepoäng

Ladok Code: C3LTD2
Version: 3.1
Established by: Committee for Education in Librarianship, Information, and IT 2018-05-29
Valid from: Autumn 2018

Education Cycle: Second cycle
Main Field of Study (Progressive Specialisation): Informatics (A1N), Library and Information Science (A1N), Information Architecture (A1N)
Disciplinary Domain: Natural sciences
Prerequisites: Technologies of Digital Libraries 1 (C3LTD1) at pass level
Subject Area: Informatics/Computer and Systems Sciences
Grading Scale: Seven-degree grading scale (A-F)

Content

The course will help the student to develop understanding and gain experience of how web based resources and services can be developed through integration of data from multiple open repositories, as well as the underlying requirements on data structures and access points that can be set. The student will also develop a basic competence in managing techniques for these purposes.

Learning Outcomes

After passing the course the student should be able to, concerning

Knowledge and understanding
1.1 Demonstrate an understanding for technical standards for linked and open data
1.2 Describe how software interacts with a web server

Competence and skills
2.1 Apply different standarised forms for structuring metadata
2.2 Use open linked data for development of web services

Judgement and approach
3.1 Analyse and reflect upon possibilities and constraints as well as advantages and disadvantages regarding open and linked data for digital libraries

Forms of Teaching

Tuition is conducted through lectures, exercises and tutoring

The language of instruction is English.

Forms of Examination

The course is examined through:

- Assignment 1: mashup
Learning outcomes: 2.1, 2.2
Credits: 2,5
Grading scale: A-F

- Assignment 2: report
Learning outcomes: 1.1, 1.2, 3.1
Credits: 5
Grading scale: A-F

To acquire E on the entire course the grade E is required on both tasks. Higher grades are decided as follows. The grade on each task is transformed to a numerical value, E = 1, D = 2, C = 3, B = 4, A = 5, and multiplied with the number of credits for the task. The two numbers are added together and the total is divided by 7.5 and transformed back to the closest value on the seven-grade scale.

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

Literature and Other Teaching Materials

The course literature is in English.

Engard, N. C. (red.) (2014). More Library mashups: exploring new ways to deliver library data. Medford, N.J.: Information Today, Inc. (Chosen parts, approx. 100 p.)

Van Hooland, S & Verborgh, R. (2014). Linked Data for Libraries, Archives and Museums: How to clean, link and publish your metadata. London: Facet Publishing (249 p.)

Exercises and scientific papers totalling approximately 50 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

Master’s programme: Library and Information Science, Digital Library and Information Services.