



Technologies of Digital Libraries 2

Teknik för digitala bibliotek 2

7.5 credits

Ladok Code: NLTD23

Version: 2.0

Established by: The Teaching Committee 2011-12-13

Valid from: Autumn 2011

Education Cycle: Second cycle

Main Field of Study (Progressive Specialisation): Informatics (A1N)

Disciplinary Domain: Natural sciences

Prerequisites: Technology of Digital Libraries (ÖTDBS2)

Subject Area: Informatics/Computer and Systems Sciences

Grading Scale: ECTS-credits

Content

A mashup is a web site that uses data from various external web sites. This course introduces techniques for making a web page mashable and for creating mashups.

The following topics will be covered:

- Introduction to mashups
- Making web site data available so that other web sites can make use of the data
- Mashing up a web site using data from external web sites
- Microformats and Rich Snippets for making web site data available
- Web services
- Linked data
- Application Programming Interface (API)

Learning Outcomes

After completing the course the student will be able to:

- Explain the pros and cons with open data and linked data
- Explain the concept Application Programming Interface (API)
- Give access to data using Microformats or Rich snippets
- Create a simple mashed up web site

Forms of Teaching

Tuition is conducted through lectures, exercises and supervision.

The language of instruction is English.

Forms of Examination

The course is examined through written assignments and paper.

The student is entitled to five (5) occasions for examination of which at least three (3) should be offered within one year.

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

Literature and Other Teaching Materials

Engard, Nicole C. (red.) (2009). Library mashups: exploring new ways to deliver library data. Medford, N.J.: Information Today, Inc. (334 p.)

Vossen, Gottfried & Hagemann, Stephan (2007). Unleashing Web 2.0: from concepts to creativity. Amsterdam: Elsevier/Morgan Kaufmann (353 p.)

Student Influence and Evaluation

Students shall be involved in further development of the course and are therefore given the possibility to assess the course in a systematical way by written or oral means. How this assessment falls out and how it affects further development will be reported back to the students.

For course evaluation, the standard University College of Borås rules as of 7 June 2005 apply, dnr 56-02- 10.

Miscellaneous