



Digitising Cultural Heritage Material Digitalisering av kulturarvsmaterial

15 credits

Ladok Code: 32LDK1

Version: 3.0

Established by: Education Committee 2014-12-10

Valid from: Spring 2015

Education Cycle: Second cycle

Main Field of Study (Progressive Specialisation): Library and Information Science (A1N)

Disciplinary Domain: other

Prerequisites: Having passed the course Technology for digital libraries (ÖTDBS2)

Subject Area: Library and Information Science

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

Content

- Issues of selection and preservation
- Digitization projects: examples, design, strategies and levels
- Ongoing and finished international digitization projects
- Basics of image capture and digital imaging
- Basics of text capture, transcription and optical character recognition (OCR)
- Text encoding and XML technologies
- Text Encoding Initiative (TEI)
- Publishing text encoded material on the web
- Optimizing digitized material using e.g. XSL
- Metadata and additional texts for digitized material
- Contextual factors and aspects of quality on digitized collections
- Accessing and re-using digitized collections

Learning Outcomes

After completion of the course the student will be able to:

concerning *knowledge and understanding*

- recapitulate the typical basic stages of the digitisation process within cultural institutions and other organisations, and identify relevant international standards, technologies and tools within the different stages
- explain how XML encoded texts may be integrated with different technologies and standards within digitised collections, to support preservation, sustainability, optimisation, flexibility and reuse by target groups such as digital humanities researchers
- describe technologies for manually or algorithmically transcribe the contents of digitized text images

concerning *skills and abilities*

- critically analyse the outcome of existing digitisation projects of different levels of ambition with respect to size and granularity
- develop strategic plans for certain projects of digitisation and tools needed
- encode digitised text with the use of adequate XML applications, metadata vocabularies and other bibliographic data in a way that can be regarded as relevant with respect to the character and intended use of the material.
- publish digitised and end descriptively encoded material on the web, complemented by added relevant metadata and annotations

concerning *professional judgement*

- identify and evaluate arguments for selection within digitisation projects
- explain how methods and technologies for cultural heritage digitisation are determined by and influences its social context, with respect to e.g. ethics and publication

Forms of Teaching

Lectures, seminars, individual tasks, practices and tutoring are used as teaching methods.

The language of instruction is English.

Forms of Examination

Examination is conducted through written assignments, paper, reports and project work.

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. (This is in accordance with the Director's decision, Dnr 516-13, 11th June, 2013)

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

Literature and Other Teaching Materials

Burnard, Lou, O'Brien O'Keeffe, Katherine & Unsworth, John, red. (2006). *Electronic textual editing*. New York: MLA/TEI. (Selected parts, approx. 60 p.). [Accessible electronically]

Cameron, Fiona & Sarah Kenderine (Eds.) (2007). *Theorizing digital cultural heritage: a critical discourse*. Cambridge, Mass.: MIT Press. (Selected parts, approx. 60 p.)

Conway, Paul (2013). *Preserving Imperfection: Assessing the Incidence of Digitization Error in HathiTrust*. *Preservation, Digital Technology & Culture* 42.1: 17-30. [Accessible electronically]

Cornell University Library (2003). *Moving Theory into Practice: Digital Imaging Tutorial*. [Accessible electronically]

Dahlström, Mats (2011). *Editing Libraries. I: C. Fritze, F. Fischer, P. Sahle & M. Rehbein (Hrsgg.), Bibliothek und Wissenschaft. Vol. 44: Digitale Edition und Forschungsbibliothek*. Harrassowitz. 91-106. [Accessible electronically]

Deutsche Forschungsgemeinschaft (2009). *Scientific Library Services and Information Systems (LIS): Practical Guidelines on Digitisation*. [Accessible electronically]

Digitization in the Real World: Lessons Learned from Small to Medium-Sized Digitization Projects (2010). New York: Metropolitan New York Library Council. [Accessible electronically].

Fulton, Wayne (2010). *A Few Scanning Tips*. [Accessible electronically]

Rydborg-Cox, Jeffrey A. (2009). *Digitizing Latin incunabula: challenges, methods, and possibilities*. *Digital Humanities Quarterly* 3.1. [Accessible electronically]

Schreibman, Susan, Siemens, Ray & Unsworth, John, red. (2004). *A Companion to digital humanities*. Oxford: Blackwell. (Selected parts, 73 p.). [Accessible electronically]

Sutherland, Kathryn & Deegan, Marilyn (2009). *Transferred illusions: Digital technology and the forms of print*. London: Ashgate. (Selected parts, ca 40 p.). [Accessible electronically]

Tanner, Simon (2004). *Deciding whether Optical Character Recognition is feasible*. London: King's College. 11 p. [Accessible electronically]

Tanselle, G. Thomas (1989). *Reproductions and scholarship*. *Studies in Bibliography*, 42: 25-34.

TEI P5: *Guidelines for Electronic Text Encoding and Interchange* (2014). Oxford: The TEI Consortium, Technical Council. (Selected parts)

Terras, Melissa (2008). *Digital Images for the Information Professional*. London: Ashgate. 258 p.

van Branden, Ron, Melissa Terras & Edward Vanhoutte. TEI by Example. [Accessible electronically]

Student Influence and Evaluation

Students assessments of courses will be systematically collected in written and/or oral form and reported back to students. Assessments will form the basis of the future development of courses. See further the University's policy for course evaluation: dnr 56-02-10, the University College of Borås, 7th June 2005.

Miscellaneous

The course is a module within the Master's programme: Library and Information Science, Digital Library and Information Services.