

**SYLLABUS**

# **Long-term Digital Access and Interfaces 15 credits M7015E**

**Långsiktig tillgänglighet och gränssnitt**

**Course syllabus admitted: Autumn 2010 Sp 1 - Autumn 2011 Sp 1**

**DECISION DATE  
2010-02-19**

# Long-term Digital Access and Interfaces 15 credits M7015E

## Långsiktig tillgänglighet och gränssnitt

### Second cycle, M7015E

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	U G VG		Computer Science

## Entry requirements

Minimum 120 ECTS of university studies including 60 ECTS in the areas of Computer Science, Systems science, Archival Science or Library and Information Science.

## Selection

The selection is based on 30-285 credits

## Examiner

Ann Hägerfors

## Course Aim

The student will be able to:

- describe and analyse problems and possibilities regarding information transfer between information systems and digital preservation systems including access to the preserved material
- evaluate suitability of available solutions
- model work-flow of digital preservation processes

## Contents

The course covers metadata sets and requirements used in digital curation, such as DC, PREMIS, FRBR, METS, EAD, TEI, CIDOC CRM. Significant properties, and other preservation related characteristics of the digital material, are brought up, as well as the role of contextual information. The course also brings up interfaces, both human-machine as well as machine-machine, and their role in information transfer between producers of digital material and preservation institutions/functions including searching and access to the preserved material. Work-flow modelling of the preservation chain, from creation of digital material to access to preserved material.

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Teaching is in English and on Internet for distance students or at campus for the students living here. IT support: Learning management system (Fronter), video conference system, e-mail and phone.

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.

A written examination will be used to evaluate the students possibility to describe and analyze information transfer situations, and for modelling of digital preservation processes.

Group assignments will cover analysis of problems and possibilities with information transfer including access, evaluation of available solutions and modelling of digital preservation processes, while individual assignments will be used to describe possibilities for information transfer and access to the preserved material.

## Remarks

Technical Requirements: access to PC with Windows XP, microphone, Web cam and permission to install software. Internet connection (minimum 0,5 Mbps).

## Literature. Valid from Autumn 2009 Sp 1

"Preserving Digital Information" av Gladney, Henry M. (2007) Springer-Verlag, Berlin Heidelberg ISBN: 978-3-540-37886-0, 3-540-37886-3.

And papers or other material free of charge.

## Course offered by

Department of Computer Science, Electrical and Space Engineering

## Items/credits

Number	Type	Credits	Grade
0001	Written exam	6	U G VG
0002	Group assignment	6	U G#
0003	Individual assignment	3	U G VG

## Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

## **Last revised**

by the Department of Computer Science and Electrical Engineering 2010-02-19

## **Syllabus established**

by the Department of Computer Science and Electrical Engineering 2008-12-15