SYLLABUS

Long-term digital preservation 15 credits B7001N

Långsiktigt digitalt bevarande

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

DECISION DATE
2010-02-19

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LULEÅ TEKNISKA UNIVERSITET

Long-term digital preservation 15 credits B7001N

Långsiktigt digitalt bevarande

Second cycle, B7001N

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:

- apply digital preservation concepts and models, including characteristics and activities, to describe digital preservation scenarios
- analyze and describe problems and possibilities related to long-term digital preservation in particular contexts.

Contents

The students are introduced to the field of long-term digital preservation, and the concepts and models that are common in digital preservation. The course covers preservation concepts such as format, significant properties, integrity, authenticity and content types. The course also introduces models that are used in digital preservation, such as the Open Archival Information Systems (OAIS) model, which is widely used as a reference model in work with digital preservation, and thereby good as a common base of discussions. The course discusses the concepts in a context of e-government and e-services, as well as from an archival institution point of view, which includes organisational as well as technical issues. At the end of the course the students will be familiar with generic concepts in digital preservation, and with the OAIS model as foundation have an understanding for contextual problems and possibilities in different types of organisations.

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.

The written exam lets the student show their ability to analyze long-term digital preservation situations and apply digital preservation concepts and models.

Group assignments are used to analyze and describe long-term digital preservation scenarios as well as applying concepts and models to these scenarios.

Remarks

Technical Requirements: access to PC with Windows XP, microphone, Web cam and permission to install software. Internet connection (minimum 0,5 Mbps). Students must register to the courses themselves or contact the IES educational administration not later than 5 days after the quarter commences. Failure to do so can result in the place being lost. This also applies to the students with a place guarantee.

Literature. Valid from Autumn 2009 Sp 1

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

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	Individual assignment reports	3	U G VG
0003	Group work	6	U G#

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 2010-02-19

Syllabus established

by Institutionen för industriell ekonomi och samhällsvetenskap 2009-02-22