

SYLLABUS

Introduction to Media Technology 7.5 credits M0001E

Introduktion till medieteknik

Course syllabus admitted: Autumn 2010 Sp 1 - Spring 2011 Sp 4

**DECISION DATE
2010-02-19**

Introduction to Media Technology 7.5 credits M0001E

Introduktion till medieteknik

First cycle, M0001E

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#		Computer Science

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language +

Swedish upper secondary school courses Physics 1b1/1a, Mathematics 2a/2b/2c (specifik entry A7).

Or:

Swedish upper secondary school courses Physics A, Mathematics B (specifik entry 7)

Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

Examiner

Arkady Zaslavsky

Course Aim

The student shall be able to

- describe what media technology is
- give a number of examples of its usage
- express oneself by use of various media technology applications
- develop simple media technology applications

Contents

Media technology changes by the introduction of new technology. The course content is affected by that. The content will also reflect what advanced media technology courses that are given at the university. Example of content is

- What is media technology?
- Human communication
- Ubiquitous computing
- Telepresence
- Wearable computing
- The Internet and media distribution
- Distributed engineering
- Media scaling, Image and TV compression
- Music signals
- Virtual environments

Realization

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

The course consists of lectures, assignments and laboratory experiments. To make the course contain up-to-date material various experts will in some cases appear as guest lecturers.

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 examination consists of a number of mandatory assignments.

Overlap

The course M0001E is equal to SMM004

Literature. Valid from Autumn 2007 Sp 1

Papers and other documents from the Internet. These will be communicated during the course.

Course offered by

Department of Computer Science, Electrical and Space Engineering

Items/credits

Number	Type	Credits	Grade
0001	Assignment report	7.5	U G#

Study guidance

<http://www.ltu.se/csee/utbildning/kurser/GU?l=en>

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 2007-02-28