



LUND  
UNIVERSITY

# TINEL Learning materials

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# Project: TINEL, Towards Inclusive eLearning

(Learning materials)

Aim:

- Develop and test **learning materials** for teachers

Developed iteratively and tested during four UDeL camps.



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# Learning materials for teachers

- Text and short video introductions to UDL and UDeL
- Videos:
  - How to make accessible documents and videos
  - Student experiences and perspectives of inclusive teaching
  - Staff experiences of inclusive teaching and participating in Camps
- Articles with teachers' experiences from inclusive teaching
- UDeL Context Cards
- The Accessible documents Hub

# Short video introductions to UDL and UDeL

- Inclusive learning and UDeL – Who are we planning for?
- What is inclusive pedagogy, UDL and UDeL?
- Practical tools and resources



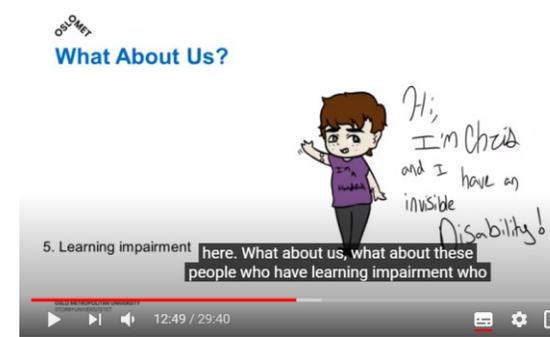
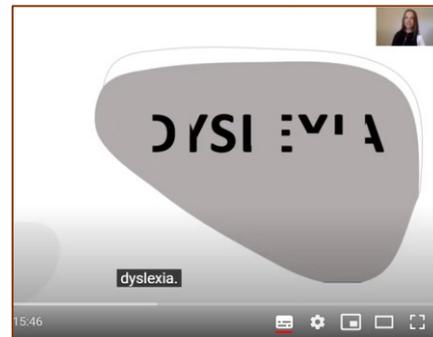
# How to make accessible documents and videos

- Recording of demonstrations from a Camp
- Word, PowerPoint
- Automatic captioning of videos
- Zoom & Teams



# Videos of students' perspectives

- How personal challenges have impacted their studies in a higher education institution



- Recordings of a deaf-blind student, a student with dyslexia and two students with visual impairments
- Discussion with a student at the Camps

# Articles with teachers' experiences

- 4 awarded articles from TINEL Open Call for Best Practice
  - Reflect the diversity of UDeL cases and dimensions: from student diversity to strategic and organisational levels
- A TINEL meta-article analysing the articles above
- A TINEL article about the Camps
- Links to other articles
- Useful for staff training seminars

LTHs 10:e Pedagogiska Inspirationskonferens, 6 december 2018

## How can we make teaching more inclusive?

Bitte Rydeman, Håkan Efring, and Per-Olof Hedvall

*Abstract*—Diversity among university students has increased, but students with disabilities still get support on a case by case basis, forcing them to display their disability to teachers and peers. An approach that is less stigmatising, focusing on making the university more inclusive for all students, is Universal Design for Learning (UDL). A related approach is Universal Design (UD), with its focus on design for all people, instead of for people in need of special solutions. A pilot study at the faculty of engineering at Lund University (LTH) in 2017 showed that, while LTH has good support for students, more support for teachers is needed, as well as more focus on inclusion. We now present our own efforts to apply UD and UDL in our teaching, and some suggestions from students regarding how we together can make teaching and learning more inclusive at LTH.

*Index Terms*—higher education, inclusion, teaching, universal design, universal design for learning

apply UD and UDL in our own teaching, and to ask students for their input regarding inclusion at LTH.

### II. METHOD

The seven principles of Universal Design [8], were tentatively applied to the elective online course “Design of Everyday Cognitive Support” (DECS), for the fall of 2018. The course is using Moodle as a Virtual Learning Environment (VLE), and is led by the first author. We looked for features of the course that seemed to support each of the seven principles. We also briefly considered the UDL guidelines to provide multiple means of engagement, representation, action and expression.

A second approach was to ask students how teachers may make their lectures more inclusive. A class of students in an elective course in rehabilitation engineering, were in the fall of 2017 asked to consider students with visual impairments

# Conclusions from the Camps

- The Learning materials were useful:
  - Experiences from students with disabilities were inspiring and highly appreciated
- Wished for more short videos and examples on what works from both student and teacher perspectives





# You can organise camps and webinars

(Learning materials)

You are free to use our Learning materials at <http://hamk.fi/tinel>

## **Please help us by sending links to:**

- Videos with students' or teachers' experiences of UDL/UDeL
- Articles with teachers' experiences of UDL/UDeL

to [hakan.eftring@certec.lth.se](mailto:hakan.eftring@certec.lth.se)

# Thank you!