



# Contents and learning outcomes

## Learning objectives:

After completion of this course, the student is able to:

- Identify and elaborate some key trends in the field of learning sciences
- Justify own research interest and locate it in the field of the current research
- Compose and critically analyse scientific text

## Contents:

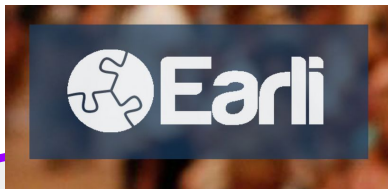
- Current trends in the field of learning sciences
- Ongoing research projects in the LET

**Course environment:** LET Studies Blog

<https://letmaster.wordpress.com/about/currents-trends-in-let-research/>



# Course design



## LET2018 conference: Current trends in LET

- Individual papers
- Posters
- Keynote lecture

Learning diary



## International workshop:

Global challenges and  
education: seeking for  
solutions

Active participation:  
introducing session +  
group working +  
presentation



## Kick off for master's thesis

Active participation +  
task for the research  
plan

# Faculty on the Move

- Each time 5-10 exercise, something that can be implemented as part of conference programme
- One activity per conference session (two students responsible)
  - Essi & Niina: Finnish 'letkajenkka' (12.3.)
  - Dora & Chunxiao: gymnastics (15.3.)
  - Esther & Eunice: something related to your own country (27.3.)
  - TK & Ishmael: jazz (29.3.)
  - Diego & Lourdes: rock'n'roll (10.4.)
  - Mariam & Larissa: ballet (12.4.)
  - Essi & Niina: salsa (24.4.)
  - Essi & Hanna: thesis style (26.4.)



# About the LET2018 conference

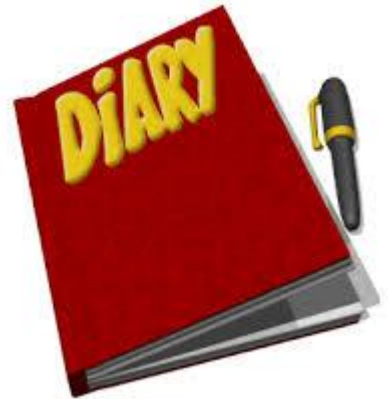
## Traditional conference structure:

- Different types of presentations:
  - keynote lecture, individual paper presentations, posters
- Max 20 min presentations + 10 min discussion
  - Theoretical background, aim + research questions, methods, results, conclusions (including implications and directions for future research)
  - Chair: Takes care of the time and leads discussion
- Audience has an active role: listen, ask questions, give (critical) comments etc.



# Course outcome: Learning diary

- **Concerning each presentation, summarize following issues:**
  - What was the aim and background of the study?
  - What methods were used?
  - What was the main result or message of the study?
  - Where you could apply the results?
- **Concerning each session, reflect:**
  - What you found especially interesting? Why?
- **Use APA (6th)**
- **Save the diary into your own personal blog.**





International Workshop

**GLOBAL CHALLENGES AND EDUCATION:  
SEEKING FOR SOLUTIONS**

**20-22 MAR**



MAR 20 | TUESDAY

12.30-14.00

📍 Room L2

Short briefs on global challenges, goals, and trends  
[Program details below](#)

14.00-14.30

Coffee break

14.30-16.00

📍 TellUs Stage

- Practical information and tasks
- Team formation
- Introduction of mentors

Evening

Meet and mingle

MAR 21 | WEDNESDAY

9.00-16.00

- Teams work on the selected topic
- Lunch at the University cafeteria

MAR 22 | THURSDAY

12.30-16.00

📍 TellUs Stage

- Teams present their topics and solutions
- Peer evaluation
- Closing







## Global challenges, goals, and trends

### PROGRAM

🕒 12.30-14.00

📍 Room L2

👤 Chair - Elina Lehtomäki

### Opening words

Helka-Liisa Hentilä - Vice-rector at University of Oulu

### Global megatrends

Mikko Dufva - The Finnish Innovation Fund SITRA

### What do we need to keep in mind when confronted with mega trends that challenge education

Paul A. Kirschner - Professor at Open Universiteit, The Netherlands/University of Oulu

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### World Development Report: Learning Crisis

The World Bank

### Innovative learning by combining art and science: Savanturiers

CRI

### Globally responsible business

Anne Keränen - Martti Ahtisaari Institute at Oulu Business School

# About master's thesis kick off



- Thursday 26.4. at 10.15-12 (Hanna & Essi)
- Concludes the LET2018 conference + the workshop
  - Framing your interest: Which aspects of learning sciences you are interested in? What is the topic you would like to study more? Which methods would you like to apply in your own study? → finding the contact person for your thesis and forming peer tutoring groups.
  - Starting to write research plans.

# Assessment



Learning diaries:

**High level (4-5):** All contents are well in line with the task. All issues are extremely well argued and claims are supported and justified with various resources, e.g. scientific articles. Contents are discussed thoroughly, and critical viewpoints are highlighted. There are no mistakes in formalities. Product follows the rules of scientific writing. Use of references is relevant, versatile and reflective. All conference presentations have been discussed.

**Moderate level (3):** Contents are mostly relevant for the task. Contents are presented and explained, but the style is mostly declaratory. Some relevant articles and other materials are utilized. There are no major mistakes in formalities. References are in line with the research topic and amount of references is sufficient. The text follows occasionally the rules of scientific writing. Use of references is partly reflective. All conference presentations have been discussed.

**Low level (1-2):** Contents are partly relevant for the task. Topics are presented and discussed narrowly and superficially. Some references are utilized, but they are mostly irrelevant and unscientific. There are many mistakes in formalities. Use of references is random and summarizing. Most of the conference presentations have been discussed.

**International workshop and master's thesis kick-off:** Active participation required (+/- 1 grade)

# Task for next time

Read following article:

Daniel Sommerhoff, Andrea Szameitat, Freydis Vogel, Olga Chernikova, Kristina Loderer & Frank Fischer (2018) What Do We Teach When We Teach the Learning Sciences? A Document Analysis of 75 Graduate Programs, Journal of the Learning Sciences, DOI: [10.1080/10508406.2018.1440353](https://doi.org/10.1080/10508406.2018.1440353)

While reading, think about following issues:

- What are the key concepts of learning sciences and why?
- Which concepts or methods you found especially interesting, why?
- On Thursday, you have 5 min to present your ideas.





Any questions?

# Current Trends in LET research (5 ects)

Orientation 13.3.2018

Niina Impiö and Essi Vuopala





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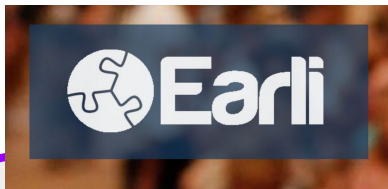
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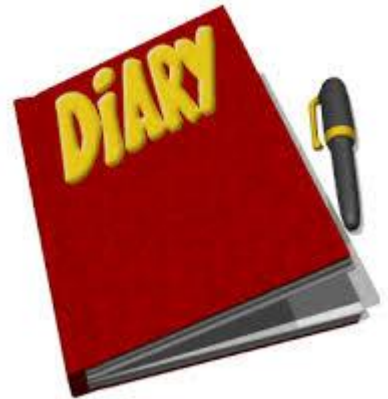
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