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**Aalto-yliopisto
Insinööritieteiden
korkeakoulu**

ENG's DigiDevelopment Studios

8.11.2018

Maire Syrjäkari and Jukka Välimäki in collaboration with ICT for Learning Team 2018

DigiDevelopment Studio 2018-2019

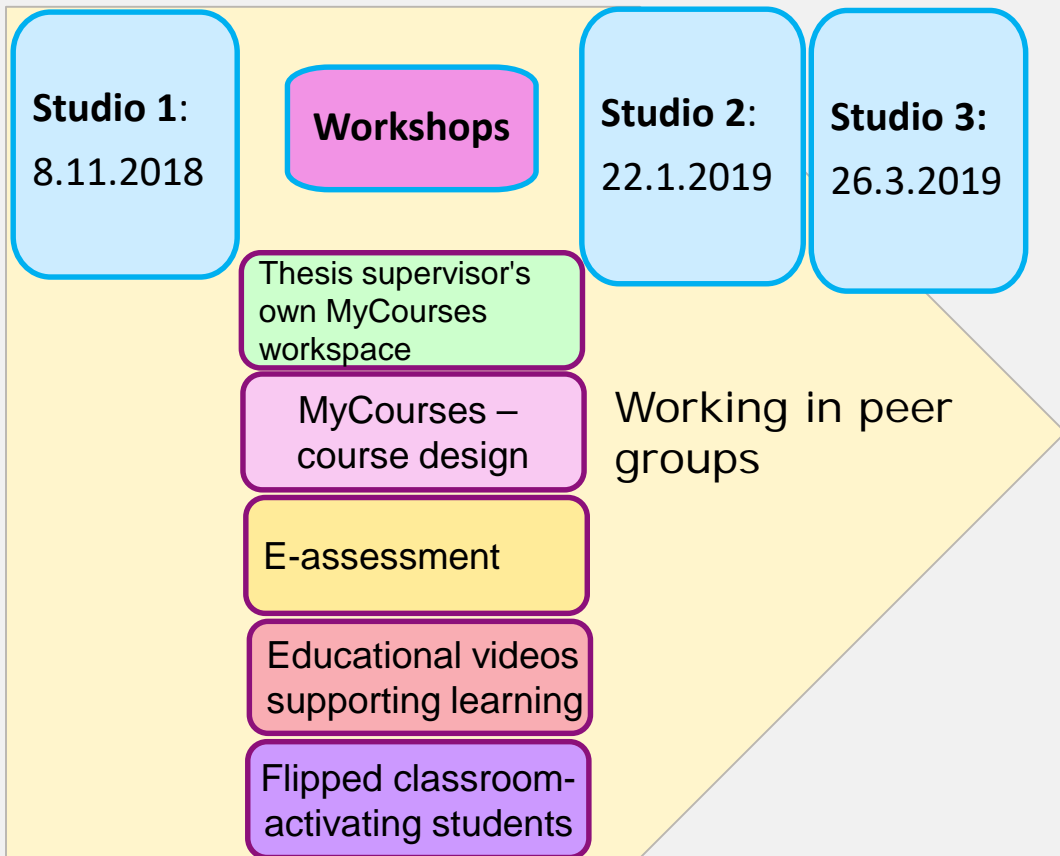We implement the Studios in collaboration with ICT for Learning team.

Goals of Studios:

- to support teachers to utilize educational technology in teaching and learning in a pedagogically meaningful and justified way.

- to develop own course based on constructive alignment.

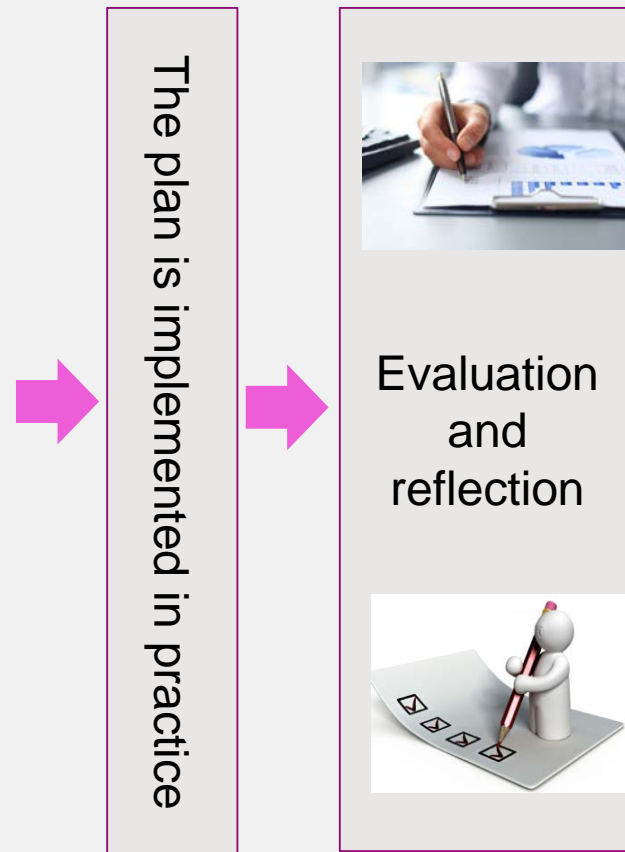- to experiment and train of Aalto's educational technology with guidance.

Who we are? Expectations?

DigiDevelopment Studios; structure and timeline

Aalto University Pedagogical Training 3 cr

Studio 1: 8.11.2018

Workshops

Studio 2: 22.1.2019

Studio 3: 26.3.2019

Thesis supervisor's own MyCourses workspace

MyCourses – course design

E-assessment

Educational videos supporting learning

Flipped classroom- activating students

Working in peer groups

Aalto University Pedagogical Training 2 cr

The plan is implemented in practice

Evaluation and reflection

Intended Learning Outcomes: After the course, participant:

- has prepared a plan for his/her course by evaluating and choosing pedagogical solutions based on constructive alignment in teaching.
- is able to assess the use and usefulness of educational technology, choose the most appropriate tools and/or methods for own teaching and justify these choices.
- is able to provide and receive reasoned and constructive feedback regarding peers' educational technology solutions.
- has familiarized him/herself with the educational tools provided by Aalto and has practiced the use some of them under guidance.
- Has implemented the plan in practice.
- Has collected feedback from students and evaluated and reflected on success.

Activity and study time allocation	3 cr	Total
Studios:	3*2 h	12 h
Pre-assigment for studio 1	1 h	1 h
Workshop:	2x 2 h	2-10 h
Familiarizing yourself with educational technolgy tool and apply to own teaching:	20 h	20 h
Preparing second version of course plan for studio 2:	5 h	5 h
Final plan	10 h	10 h
Providing feedback for peer	1 h	1 h
Peer group	3*2= 6 h	6 h
Reading task	15 h	15 h
In total		80 h
+ 2 cr		
Applying in own course implementation	20 h	20 h
Collecting and analysing student feedback	15 h	15 h
Writing a reflective essay	20 h	20 h
In total		55 h

Workshops schedule 2018

	Thesis supervisor	E-assessment	Video	MyCourses	Flipped
Wed 14.11.	9-11				
Thu 15.11.		9-11			
Mon 19.11.		13-15	9-11		
Thu 22.11.					9-11 tai 12-14
Tues 27.11.				14-16	
Thu 29.11.	12-14		9-11		
Mon 3.12.				9.30-11.30	
Wed 12.12.			9-11		
Thu 13.12.					9-11 tai 12-14

You can ask questions or inform your expectations or needs/wishes concerning to workshops in MyCourses/ workshops descriptions.

Educational videos

Date and time: 19.11.2018 at 9.00-11.00 or 29.11.2018 at 9-11.00 12.12. at 9.00-11.00

Panopto is the centrally managed multimedia capture solution at Aalto. It can be easily used to record presentations, instructions, lectures, screencasts, events etc. from any laptop. You may use Panopto to "flip" your classes/practise so that passive learning (listening to lectures) is done online and active learning (solving problems) is done in class/f2f meetings.

Workshop will provide demo and information on the basics of using Panopto and will also be used as a way to address specific questions and concerns that users may have.

Facilitator: Kalle Kataila, ICT for Learning

Thesis supervisor's/Advisor's own MyCourses workspace

Wed 14.11.2018 at 9.00 -11.00 or Thu 29.11. at 12.00-14.00

Workshop is about how the personal workspace could be a full use to a supervisor/advisor. A ready-made Mycourses workspace can be used right away:

- students can submit their thesis versions to their supervisor a Turnitin similarity report is automatically generated on the submitted file in order to help scientific writing
- supervisor/advisor can give feedbak on thesis versions in Turnitin feedback studio
- time slots for appointments can be offered (by supervisor/advisor) and reserved (by students).

If you do not have your personal workspace yet, please order it by filling in the form (link in MyCourses). The template of the workspace is copied and slightly altered depending on practises of the School and renamed for each supervisor

Facilitator: Minna Vänskä, ICT for Learning (Minna varaa tilat itse)

MyCourses - course design

Group 1: Tue 27.11.2018 at 14-16 and a day chosen together

Group 2. Mon 3.12.2018 at 9.30-11.30 and a day chosen together

MyCourses is a platform for all courses, supporting your course activities, feedback, grading and communication. Take the best out of it. Plan and implement your course in MyCourses, using the best tools for your pedagogical goals.

On the first session we discuss your course plan and share ideas about the best tools and activities to support your goals. Between sessions, you can work with your MyCourses course environment. You get and give feedback to your colleagues. On the second session, we discuss the questions arisen during the course preparation.

Facilitator: Outi Rautakoura, ICT for Learning

e-assessment workshop

Time: Mon 19.11.2018 at 13.00-15.00 or Thu 15.11.2018 at 9.00-11.00

The e-Assessment Workshop introduces you to the Aalto-supported tools where you can implement and support the electronic evaluation of learning. We also use time to compare various methods of e-assessment and discuss whether the use of electronic evaluation tools will need us to change exam questions or form of other assignments.

Facilitator: Venla Virtakoivu, ICT for Learning

Flipped classroom - activating students

22.11. klo 9–11 tai 12–14 tai

13.12. klo 9–11 tai 12–14

The workshop introduces you to the flipped classroom method that reverses the traditional learning environment: The students are offered pre-defined online materials (e.g. videos, simulations, readings) outside classroom, leaving more time for conversation, exercises and assignments in classroom.

During workshop, you get to do hands on exercises on planning flipped classroom -sessions, using videos in teaching and activating instruction in the classroom. You will get introduced to Panopto media service and Presemo participation platform.
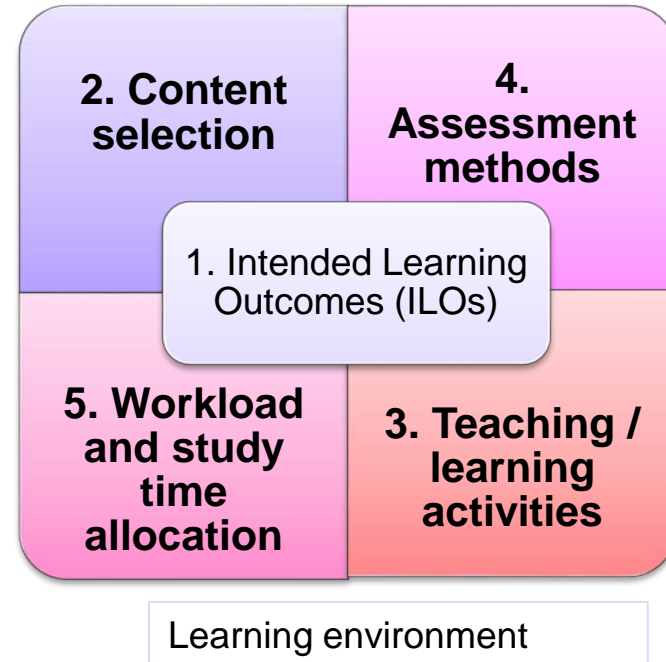
Facilitator: Timo Ovaska, ICT for Learning
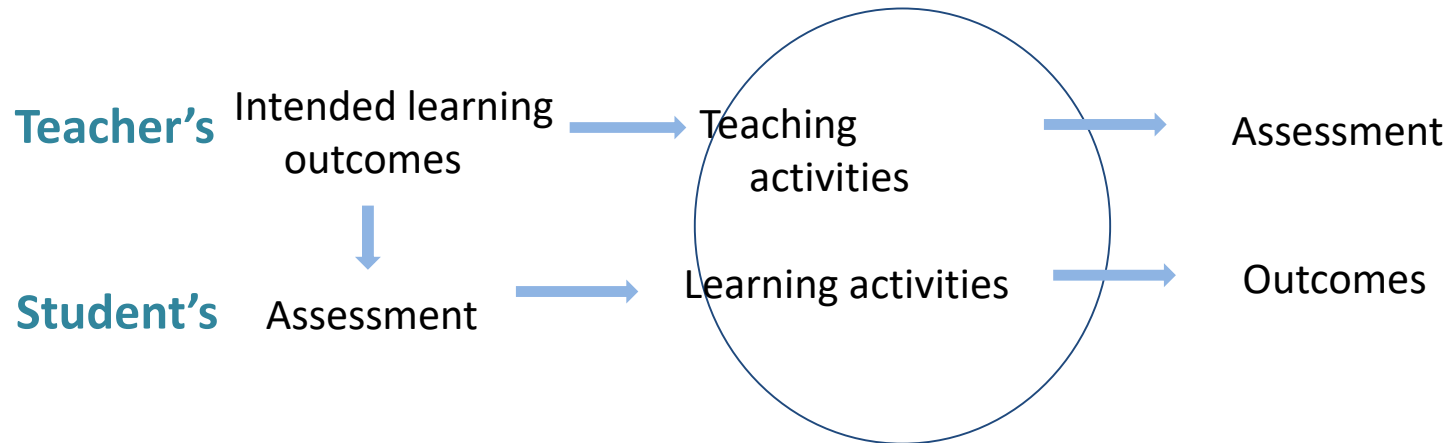
Planning "constructively aligned" course

The concept of "constructive alignment" is related to constructivistic approach on learning (Biggs 1996, 2003)

Constructive alignment means that the components in the teaching system, especially the teaching methods used and the assessment tasks, are *aligned* with the learning activities assumed in the intended learning outcomes.

The teacher's job is to create a learning environment that supports the learning activities appropriate to achieve the intended learning outcomes.

2. Content selection

4. Assessment methods

1. Intended Learning Outcomes (ILOs)

5. Workload and study time allocation

3. Teaching / learning activities

Learning environment

Biggs &Tang (2011). Teaching for quality Learning at University : What the Student Does?

Teacher's and student's perspectives on assessment

Teacher's Intended learning outcomes → Teaching activities → Assessment

Student's Assessment → Learning activities → Outcomes

Students learn what they think they will be tested on

Biggs &Tang (2011). Teaching for quality Learning at University : What the Student Does

What kind of added value educational technology could bring to your course?

Discuss in groups of three 10 min

Peer groups

Group: 1

Heikki

Ville

Arttu

Spyros

Hadi

Group: 2

Sven

Annukka

Ioannis

Athanasios

Kaur

Group activities

Meet at least 3 times during a course and twice before next studio

Familiarize yourselves together to some selected theme or topic

- Seek, read, discuss, write and present task

Peer support

For next studio

A. Two peer group meetings before next studio 22.1.2018

Peer group meeting 1:

- Share your workshops experiences and situation of your own plan.
- Define your group's theme or tool you want to know better
- Write down to your group wiki-page (in mycourses) following: selected theme or topic, why you selected this theme/topic, how are you going to proceed.
- Each member seeks one article, reads it and write 200 words about it to wiki (+ link to article)

Peer group meeting 2:

- Share your workshops experiences and situation of your own plan.
- Discuss about articles (book etc.) related to your theme/topic.
- Plan how you present your findings to whole group in next studio.
- Update your wiki

For next studio

B. Participate at least to one workshop

C. Continue your pre-assignment utilizing reading materials, articles, workshop etc. Submit your plan v. 1.0 to MyCourses Studio 2/ First version of plan DL 10.1.2019

D. Give feedback from colleague's plan DL 22.1.2019 (we will inform later on who gives feedback to who)

Support & events

Planning officer, Educational technology
jukka.valimaki@aalto.fi / 050 470 8855
Contact with questions, ideas, problems…

eBreak on Thursdays
Next one: on 15.11. at 9:00, about Quiz in MyCourses.
Webcast, join with your laptop (link at inside/aalto.fi & MyCourses)
Tips and tools: 20min + time for questions, every week

eLearning Lunches
In December for Dept. of CE & ME (CE 30.11. at 11:30 & ME 5.12. at 11:45)
A chance to learn and ask about educational technology during lunch.

Thank you!