

# PED-131.9000 Teaching assistant as a learning instructor

Day 2 Luis Costa and Kirsti Keltikangas

### Today's schedule

9:00-9:10 Getting started

9:10–9:40 Student administration, Eeva Halonen

9:40-9:50 Break

9:50–10:50 Approaches to learning and levels of thinking about

teaching: group work

10:50-11:00 Break

11:00–11:40 Wrapping up the group work

11:40–12:00 Learning assignments, feedback



#### Course structure

Session 1: 6.3.2019

Interaction and feedback in learning and teaching

Session 2: 20.3.2019

Approaches to learning and different learners; administrative duties

Session 3: 1.4.2019

Student well-being; factors affecting success in studies student profiles Session 4: 8.4.2019

Issues related to learning; motivation; practical tips

1. Reading Assignment

Small group meeting

2. Reading Assignment

Small group meeting

- 3. Pedagogical observation (2)
- 4. Aalto code of conduct e-course



#### Learning outcomes of this session

#### After this session you

- know that you have administrative responsibilities
- know where to find information about your responsibilities
- recognise different approaches to learning
- are aware of the different levels of thinking about teaching



# Short break!

## Group work: Learning and teaching at the university

### Topics for the group work

- 1. Different levels of thinking about teaching
- 2. Surface approaches to learning
- 3. Deep approaches to learning
- 4. Can the deep and surface approaches be combined?

#### Gallery walk, instructions: phase 1 (time: 30 min)

- Work in a group of 3–5 people.
- Discuss your theme—what do you think about it?
- What kind of examples regarding the theme arose from your experiences as a student and/or as a teacher?
- Make a poster of the given topic.
- Be prepared to present the poster to a new group everyone in the group will teach/present the topic to a new group.

#### Gallery walk: phase 2

- Attach your poster on the wall
- Form new groups
- Each group goes from poster to poster (~10 min/poster).
   The teacher will signal when the time is up.
- The poster is presented by a member of the group who has produced it. Others may comment/add ideas.
- Wrap-up of the gallery walk



# Short break!

## Wrapping up: Levels of thinking about teaching

Biggs & Tang (2011): Teaching for quality Learning at University, pages 16–29.



	LEVEL 1 Blame the student	LEVEL 2 Blame the teacher	LEVEL 3
FOCUS	What the STUDENT is	What the teacher does	What the student does
TEACHER'S ROLE	Expert of the content	Expert of the content	Expert of the content Learning facilitator
TEACHING	Transmitting information Lecturing Assessment Teaching as selective activity: good and poor students. Teacher-centred	Transmitting information Teaching is carefully planned Various teaching methods More management than facilitating learning Teacher-centred	Support learning Clear learning outcomes Teaching and learning activities Student-centred
STUDENT'S ROLE	Attend lectures Listen and take notes Read Pass the exam Memorise—surface approach to learning	Attend lectures Listen and give answers Pass the exam Give feedback Memorise and understand	Active approach to study Responsible for their own learning Understand—deep approach to learning



### Your expectations: where is the focus?

Note: all your expectations are relevant and important

Return to slides 8–10 from day 1 listing your expectations of this course.

How would you categorise your expectations to these levels?



## Wrapping up: Approaches to learning: theoretical findings

## **Background**

- Universities worldwide have done much research on learning approaches since the 1970s
- Categories for approaches to learning were developed when trying to understand and explain why students' learning outcomes differed so much
- The approaches were initially considered to be stable and immune to differences. Today they are understood to be situational: changeable and influenced by the learning situation (teacher, subject, group, requirements,...)
  - This means we approach a learning situation in certain way (based on our previous experience, self-image, interest, motivation,...) BUT we also react to the situation and behave (consciously or unconsciously) in a certain way



### Deep approach to learning

Typical motivation	To understand and follow one's own interest	
Learning strategies	Knowledge building; finding similarities and differences between theories and concepts; understanding the bigger picture (not forgetting the details)	
Difficulties	Knowing one's own limits and what is enough; getting things done "well enough" and proceeding to other tasks; knowing when to give up when stuck with (or finding and answering) questions that are too difficult (might get frustrated or dissatisfied with one's own behaviour)	
Support provided	Find relevant extra information; encourage to share interest with other students; set the "well enough" goals; explicate the allocated workload; give positive feedback on what's sufficient for learning efforts	



### Surface approach to learning

Typical motivation	To pass the course (reasons for not setting higher objectives can vary from not-interested to no-chance-to-succeed)	
Learning strategies	Rote learning, seeks hints, passive receiving	
Difficulties	Concentrating on what is important to learn; to start doing things and trust one's possibilities to succeed; finding one's own interests; proactively creating links between course contents so that knowledge does not seem to be fragmented and full of irrelevant details	
Support provided	Help believe in one's own skills; positive feedback on things already done; help build bridges between the contents; set goals; find appropriate (basic enough) exercises; help to start working	

Compiled from Biggs (1999), Entwistle (1988) and Ramsden (1992)) http://exchange.ac.uk/learning-and-teaching-theory-guide/deep-and-surface-approaches-learning.html



## Organised learning (strategic approach)

Typical motivation	To optimise and get "good results" (grades); interest in practical matters: skills and knowledge that can be used in the future (in work)
Learning strategies	Being aware of course requirements and assessment criteria; monitoring and planning one's studies, but being dependent on the teacher's goals
Difficulties	Optimising grades, but forgetting one's own interests and learning; sometimes overestimates one's own skills
Support	Help to concentrate on learning and to find meaning; challenge to set "deeper" goals

Entwistle (1988); Marton & Säljö (1976)

## **Approaches to learning**

Entwistle (1988); Marton & Säljö (1976)

Orientation	Objective	Action	Consequence
Deep	To understand for oneself	Processes actively	Actively interested (gets deeply engrossed)
Surface	To achieve the pass criteria	Simply reproduces content to pass the course	Difficulties in understanding, and anxiety
Organised (strategic)	To obtain good grades	Systematically plans activities	Aware of performance criteria



#### What can I do as a TA?

#### Give constructive feedback and be aware of your interaction

- ask open, activating questions (see next slide; slide 24 from day 1, repeated here for your convenience)
- stimulate thinking

#### Offer additional information

- give examples
- make analogies
- repeat the relevant theory; give your understanding of it

#### Open questions to stimulate thinking (Aarnio & En

Can you explain what you have done so far? What are you aiming for? (intermediate results in the problem) How do you consider...? What is it based on...? What does it mean...? / What is the meaning of...? How do you understand...? What is it all about...? How do you explain...? How is it in your point of view...? What are the consequences of...? What if...? What is this... connected to? How do you feel about...? What do you think you are going to do...?



What kind of actions...?

#### How to support learning as a TA?

- Know the learning objectives (intended outcomes) of the lesson and the course as a whole\*
- Nurture students' need to achieve the outcomes (good teaching communicates this need where it is lacking; motivation is a product and a prerequisite)\*
- Make students feel free to focus on the task: safe learning environment\*
- Allow collaboration and dialogue, e.g. activating questions\*
- + use of continuous assessment, different modes of assessment, feedback of learning etc.



# Learning assignments for the next session (1/3)

- 1. Reading assignment
- 2. Teaching observation
- 3. Group meeting
- 1. Reading assignment: DL 1.4.2019

Go to MyCourses→Day 2, and find the link for the book:

Hemminki, M. Leppänen, M. & Valovirta T. 2013: Get inspired! A guide for successful teaching.

Read Chapter 5, "How do I teach?", pp. 39–49.

Read the text so that you can discuss it with your peers in your group and in class.



# Learning assignments for the next session (2/3)

#### 2. Teaching observation. DL 1.4.2019 (8.4.2019)

- Observe an exercise class. If possible, visit a class of your group members or your course mates.
- Focus on **the students** and note down at least the following: What do the students *do*? How does the teacher *motivate* them? Add reflections and insights of your own. You may give constructive feedback to the teacher (ask first); if you do, be specific, be positive.
- Use the feedback form from MyCourses → Day 1 for this. Submit your observations and reflections to the submission box in MyCourses → Day 2.

# Learning assignments for the next session (3/3)

- 3. Group work: reflect on the teaching session and the reading assignment. DL 1.4.2019
  - Arrange a meeting with your small group (do it now).
  - In the meeting, plan your teaching observation and discuss the article.
  - Submit your notes and reflections in MyCourses (Day 2):
    - What did you discuss?
    - What did you observe?
    - What did you think about the article?

