

# Group 1: Surface approaches to learning

What teaching actions cause surface approach to learning?

**Info-dumping**

**Detail orientation and lectures +final exam**

**Slides and teacher reading directly from them**

**Poor interaction with teacher**

**Easy to use in the absence of other (better) strategies**

Typical motivation for an approach?

Motivates the students to pass the obligatory courses with minimum effort

**"Just" passing the course**

What concrete examples/experiences do you have of surface approach to learning?

**A 3 credits course - reading only 3days before the exam and passing with grade 4**

**Early BSc studies' basic courses: 8 exams in 2 weeks at the end of the semester**

**Some of the bachelor and even master courses that are not necessarily related to the study direction.**

**Course on just how instruments work**

What benefits and what challenges it has?

**Can be good to get in touch with a new topic**

**Time and Energy efficient**

**Pass the course without understanding the concept**

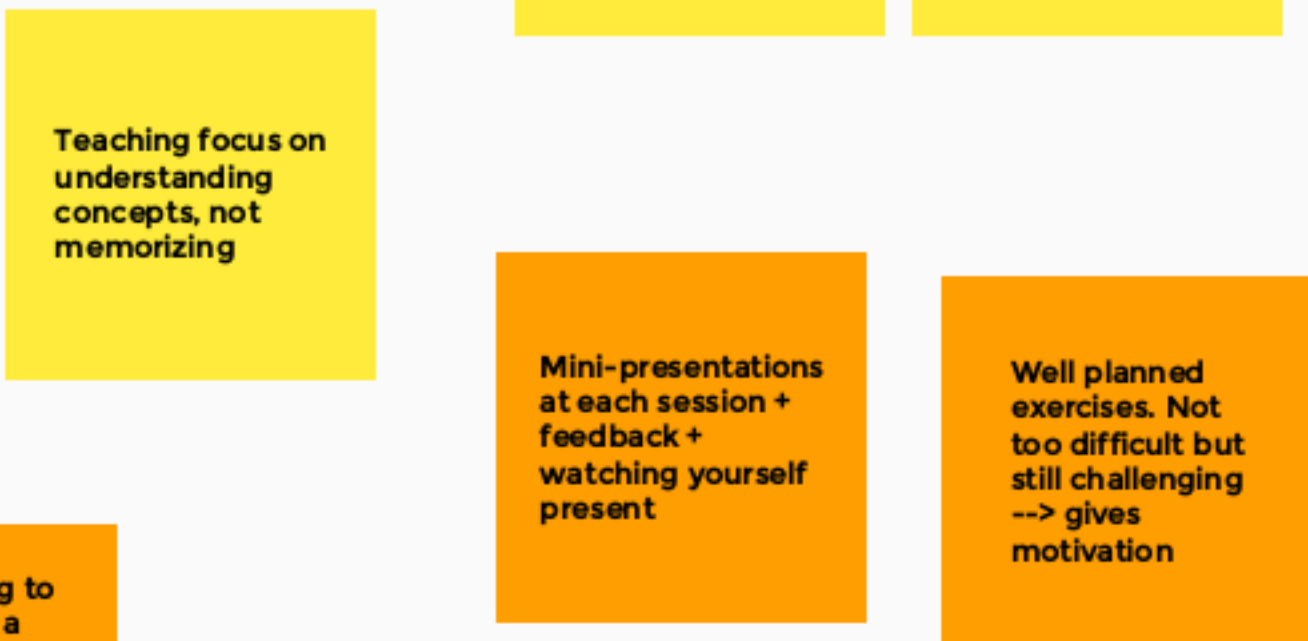
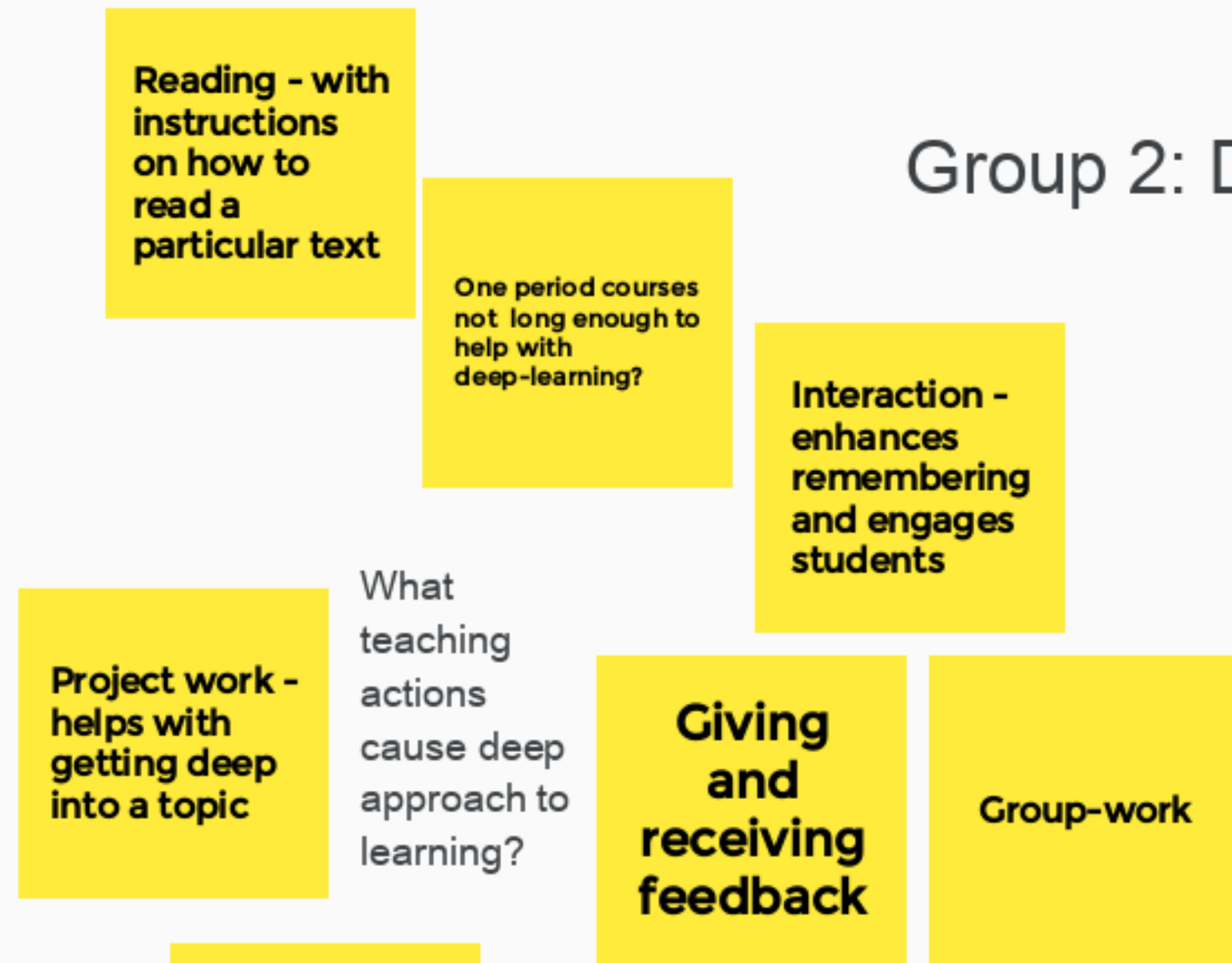
**Focus is NOT on understanding but just absorbing information**

**Challenge: what about the courses requiring in-depth understanding of concepts?**

**Challenge: one must learn a lot details FAST**

**Challenge is that the information is also forgotten fast..**

# Group 2: Deep approaches to learning

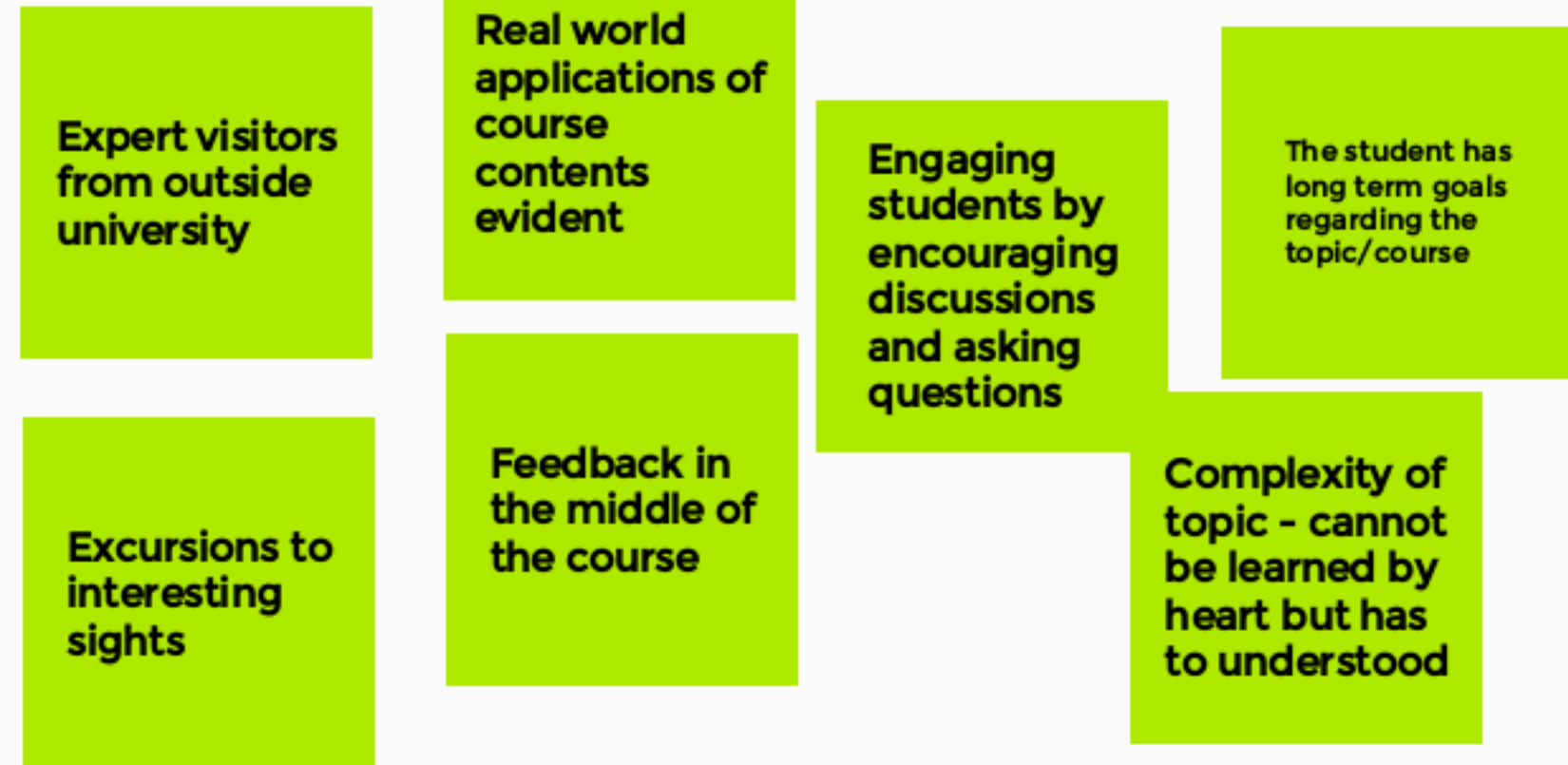


Having to teach a topic to other students

What concrete examples/experiences do you have of deep approach to learning?

Read an article you select, present it to other through a gallery walk

Project work on chosen topic



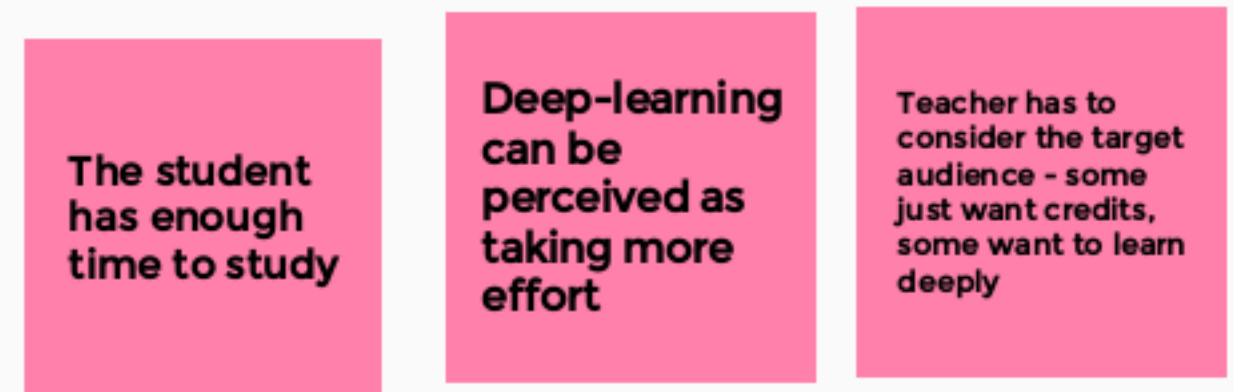
The feeling of being good in the field/topic

The student has enough time to study

Typical motivation for an approach?

The student has long term goals regarding the topic/course

What benefits and what challenges it has?



The student has long term goals regarding the topic/course



## Group 4: How do I create the (online) environment that supports learning?

