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Introduction



Social learning & online learning communities

Interactive courseware

asynchronous online learning



- explore use of interactive courseware to help connect discussion and Q&A to course material. exploratory case study at KU Leuven in a medium advanced master course (N>250)

FINDINGS



Use and social learning pedagogical approach should focus on integrating the interactive courseware from the beginning of the course and stimulating the discussion in the platform.

Seeing discussion while learning



learning material should be natively offered in interactive courseware platform, no duplicate from the material already offered on VLE otherwise, students lack the social dimension while studying

Integration of different types of material



interactive platforms allow to integrate different types of material such as video and slides, together with the discussion of the students



Overview of the teacher

use interactive courseware platforms to increase the surveyability and structure of students' questions and discussions, supporting preparation of interactive Q&A sessions and discussions, and future improvements of course materials.

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Using interactive courseware to support flipped teaching

Tinne De Laet



What?

How?

- flipped teaching: video and slides
- questions and discussion as
- preparation for interactive lecture

Student evaluation

"Nextbook was a very good online learning platform where we could directly ask question about a specific slide!"

"online book with direct questions"

"combination of video and slides" "Also nice to see questions of other students at the relevant slide instead of mixed together on a discussion forum." "The notebook style is quite more dynamic but needs more time to spend to enjoy it fully."

Platform and implementation

- free platform for "social learning" of textbooks which envisions social construction in the future - handbook augmented with video's, quizzes, ... - functionality for annotation, reading out loud, ... - students can ask and answer question





"very structured"

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Nextbook (https://nextbook.be/)

Lecture 5: Inference – graphical models to answer queries Slides lecture 5 Slides lecture 5 – print friendly versior Introduction and variable elimination Video This video introduces inference and a general approach to do inference: variable e Variable elimination is the basis for all other inference algorithms we will cover afterwards, and ore efficient approaches for particular situations (e. ree as a graphical network instead of a multiply connected graph). de to find the most optimal ordering. Incertainty in Artificial Intelligence ds as introduced in the "fundamentals et, Luc De Raed KU LEUVEN he best orderings are those where the mes-2020-2021 ages that are passed on are the smallest. s convenient to see smallest as having th ast number of arguments as the factors Nextbook was helpful in the course Nextbook was easy to use in the course Nextbook added value to the course Nextbook should be continued to be used in the course. It was good to be able to ask questions or discuss directly connected to a slide. It was helpful I could see other students' questions/discussions connected to a slide It was good that I could participate in answering the questions/discussions. It was helpful I could like/rate questions and answers