Nomadic education in localized open online course

Faculty of Technology and Society
Malmö University

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AGENDA

• Views on learning and MOOCs
• Some theory
• How we work
• What we have done – open online course
• Future work
VIEWS ON LEARNING

• Many ways of reaching the same goal.
• Accessibility
• Co-creating with learners
VIEW ON MOOC

- One way of teaching, one to many
- Same content for everyone – not situated
- Open for everybody?

+ Automatic correction of assignments
+ many people get access to content/knowledge
+ open for everybody?

CED (Lunds universitet) (2013), Slutrapport från utredningen om e- lärande och MOOCs avseende
MOOC-delen av uppdraget, Lunds universitet 2013-12-31
Magazine of Higher Learning, 45:6, 34-36, DOI: 10.1080/00091383.2013.842103
tillväxt politisk utvärdering och analyser
Fox, A. (2013) From MOOCs to SPOCs Supplementing the classroom experience with small privete online courses
Communication of the ACM December Volyme 56 No 17
Education Edition. NMC.
NOMADIC EDUCATION – RHIZOMATIC THINKING

I. Semetsky, "Deleuze's new image of thought, or Dewey revisited"

ITERATIVE PROCESS OF RESEARCH

Informed by theory

Idea

Organizational backing

Output

Implementation

Evaluation
COURSE BACKGROUND

• Use MOOC and Open Educational Recourses for the local business community

• LOOC (Localized Open Online Course) with the local community as our target group

• C++ for people with knowledge in Object-oriented programming through Java, C#, Python, etc.

• Prototypes of the course was tested and evaluated on campus courses
FIRST ITERATION

Course in C++

Modularized content

- Text / Video
- Code examples
- Exercises
- Quizzes
EVALUATION

• Two campus courses
  1. Applied data structures and algorithms
     • 2nd year game development students
     • Mandatory course
  2. Advanced C++
     • 3rd year students
     • Object-oriented programming, not necessarily C++
     • Elective course

• Group discussions
• Questionnaires
  – Group 1: 7 students
  – Group 2: 23 students
RESULT OF EVALUATION

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- Information sufficient for beginners
- Multimodularity (text, images, video)
- Swedish
- Everything in the same place (information, links, video, exercises, quiz)

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- Not advanced enough for more experienced students
- Every lesson did not have a quiz
- Hard to be sure whether you have chosen the “right” way
OPEN EDUCATIONAL RESOURCES

• 2*open
• Resources are published on GitHub
• Improved quality
  – Community can contribute (reviewed)
• Resources are version controlled by default
• Streamlined work process and work flow
**SECOND ITERATION**

- Implemented in class
- Evaluation not started.
- Evaluation process in place.
THE FUTURE

• Add learning environment
• Data visualization

• Meta cognition – as a learning tool
• Launch to local companies

mah-looc.github.io