MAKING EXAMINATIONS MORE VALID, MEANINGFUL AND MOTIVATING: THE ONLINE EXAMS SERVICE AT ETH ZURICH

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Presentation Schedule

- Introduction
- Online exams at ETH Zurich
- Browser-based online exam environments
- Advanced online exam environments
- Q&A
Online Exams at ETH Zurich
Swiss Federal Institute of Technology

- 2007 first pilots, 2010 regular service
- ~45 online exams with ~5000 students in spring semester 2014
- Large percentage of selective high-stakes examinations
Will this be on the exam?
Why do Exams Matter?

- «Will this be on the exam?»
  - Exams strongly influence what and how students learn.

- «Will I pass the exam?»
  - Exams strongly influence which students complete a curriculum.

- «What should I test in a exam?»
  - Exams subtly yet fundamentally influence the future direction of a discipline.
Goals

1. **Improve learning outcomes** by making examinations more meaningful and motivating to students

2. **Improve measurement quality** of competence assessments

3. **Improve efficiency** of preparing, conducting, and scoring examinations

4. **Create additional points of contact** with examiners for pedagogical support
Browser-Based Exams with SafeExamBrowser (SEB) and Learning Management Systems (LMS)
Demo
Advanced Exam Environments with SEB, LMS and Virtual Desktop Infrastructure (VDI)
Q&A
Making Examinations more Valid, Meaningful and Motivation: the Online Exams Service at ETH Zurich

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