



HTW Chur



Hochschule für Technik und Wirtschaft
University of Applied Sciences



E-Assessment at HTW Chur (Open book)

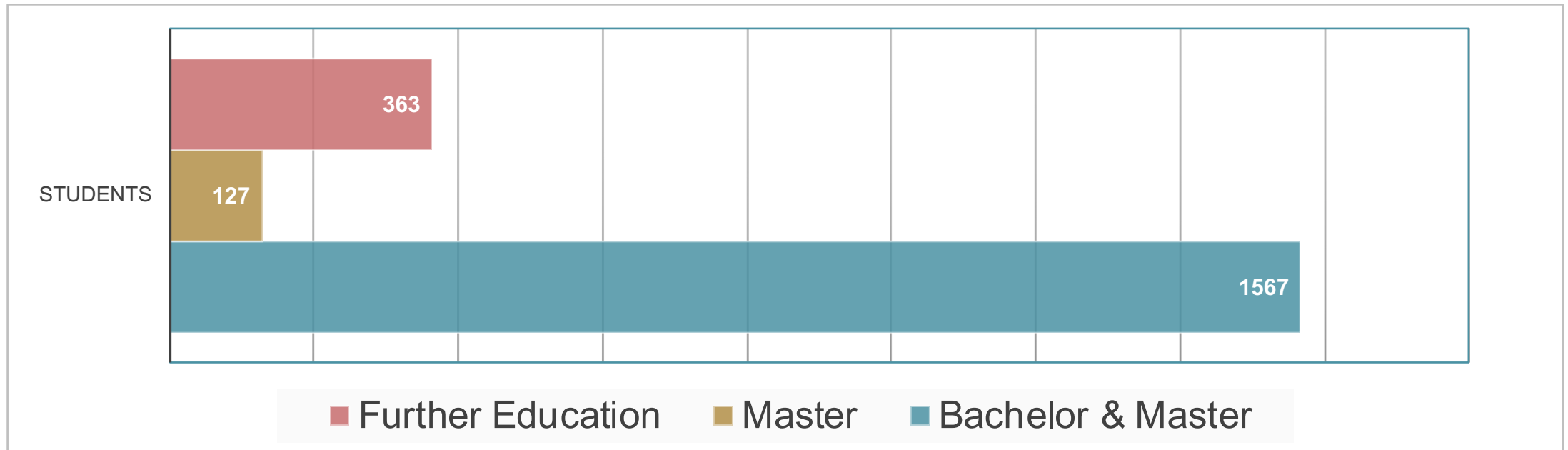
13. May 2019

Agenda

- HTW Chur Facts and Figures
- Tools
- Open Book Exams Scenario
- Feedback
- Pilot phase VDI Exam

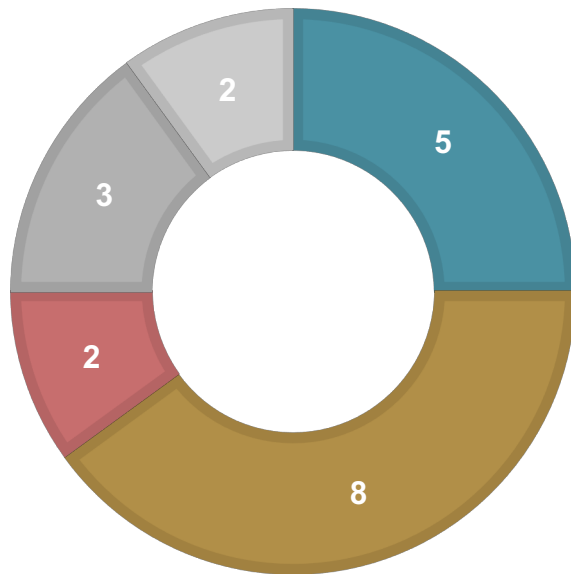
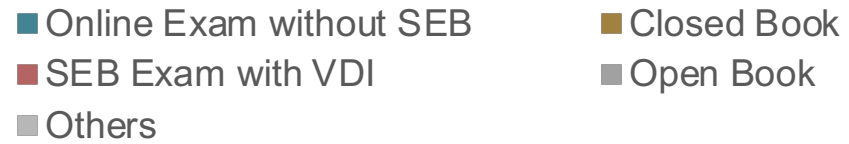
Facts and Figures at HTW Chur

- 3 Main Departments
- 11 Bachelor's Programmes
- 4 Master's Programmes
- 27 Further Education Programmes



Online Exams at HTW Chur

E-ASSESSMENT



- E-Assessment HTW in Spring Semester 2019
- Online Exams with Moodle
- in 5 different Faculties

General Process

- Faculty assistant arranges backup laptops for the students (10% from the course participants) and also the seating plan for the exam.
- Giving out the first password to start SEB
- Check if all students already logged in, backup laptop would be given for students with incompatible laptop on this step
- Giving out the second password to start the exam
- Student completes the exam and closes SEB with predefined button. This would be controlled by supervisor in the exam room before the student leaves the room.

Tools

SEB 2.2.3 (Win) SEB 2.1.3 (MAC)

Moodle activity quiz

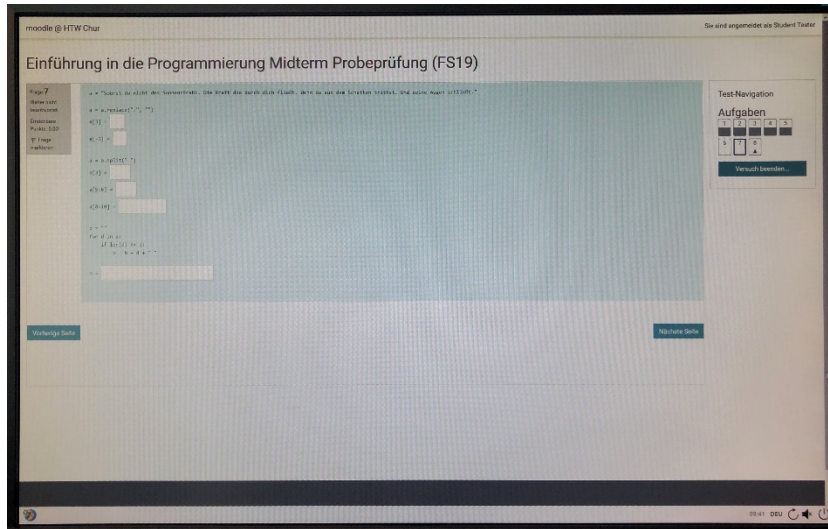
Switchdrive / Moodle activity assignment

- Most of the lecturers prefer Moodle assignment for individual cheat sheet
 - Different conditions for MAC and Windows user (SEB PDF Viewer)
 - Comments / Note function is not working on MAC
 - Search function is missing on MAC

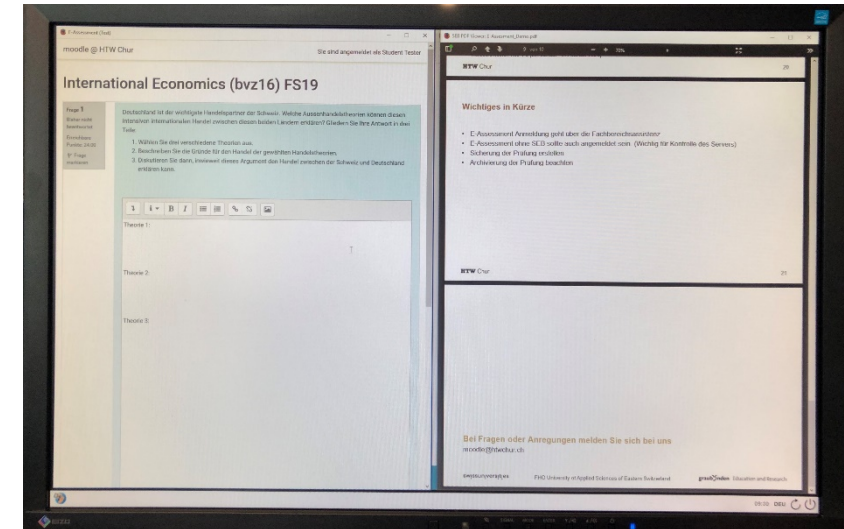
VMWare Horizon HTML Access

E-Assessment Scenarios

Closed Book Exam

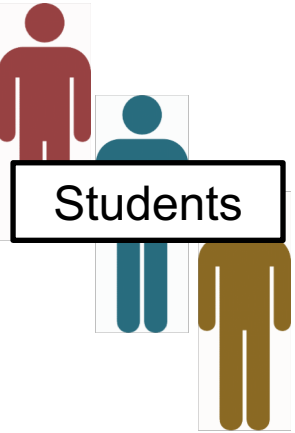


Open Book Exam



	Closed Book	Open Book
Students have only access to Moodle	✓	✓
Communication functions are blocked	✓	✓
Students could access specific documents(PDFs) on the exam	✗	✓
Students could only close SEB after finishing the exam	✓	✓
Individual cheat sheets could be uploaded in Moodle before the exam starts	✗	✓
Lecturers could provide the cheat sheets for the exam (pdfs)	✗	✓

Feedbacks from the users



Faster typing for an essay question

Paperless openbook

Uncertainty of BYOD

New UX for students, especially for Open Book

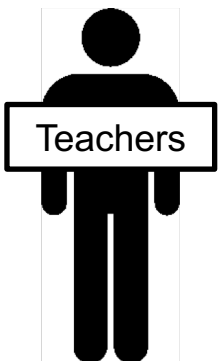
Online Resource

Easy to control and read

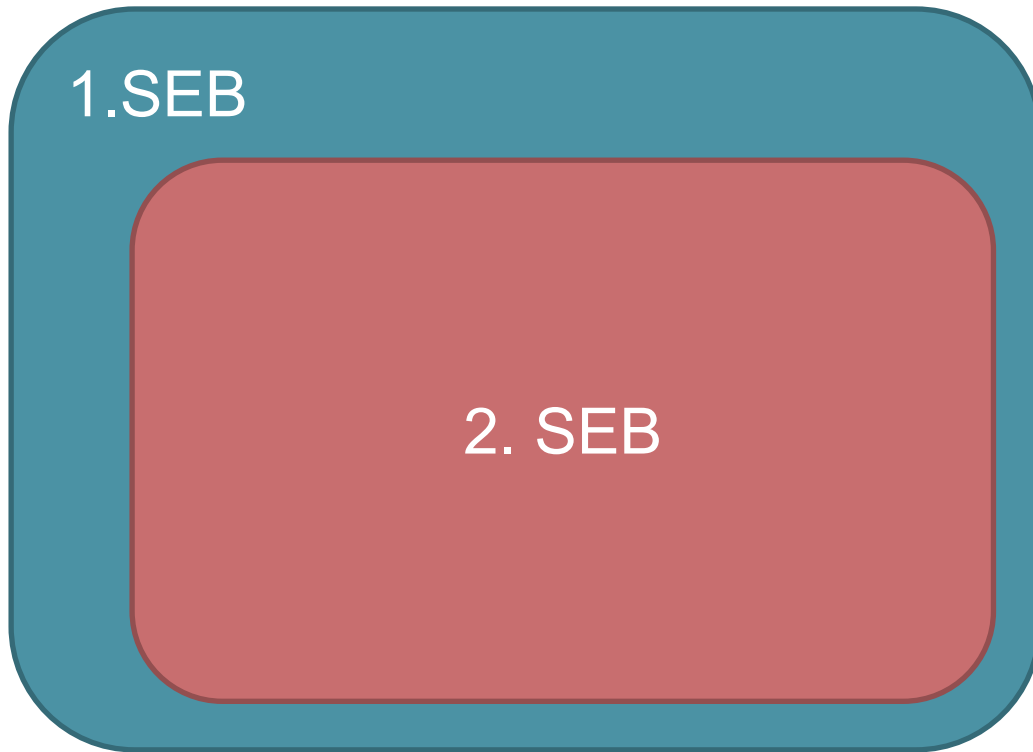
Secure

Losing 1 lesson for test exam

No drawing function



Virtual Device Infrastructure Exam with BYOD



- User device
- Virtual machine

- Exams with third party program (e.g. Eclipse, Thonny)
- Pilot phase
- VMWare Horizon (50 License available)
- 2 SEB must be used
- An automatic script is executed directly after user logged in to the VM
- This script downloads SEB config file and opens it automatically
- The first SEB window can't be closed by the users without any permission (SEB password) from exam supervisors

Digital Examinations Forum 2019

Join us to discuss recent advances within the online assessment field in higher education.

25 JUN 2019 9.00AM to 25 JUN 2019 4.30PM

FREE

Topics:

- Strategies for digital exams implementation
- On-screen marking
- Stakeholder management
- Pedagogical impact of e-assessment

Venue: University of Bath, Chancellor's Building
Bath, UK



Thank you very much for your attention