

e-Assessment Behind the Scenes

Preconceptions

E-Assessment is ...

- **... just about Multiple Choice**

Despite Multiple Choice Questions are used a lot [1], for e-Assessment, innovative types of assignments can be developed [2].

- **... a Replacement for Traditional Exams**

Since there are types of assignments that work better in a traditional exam, e-Assessment should be used as a complement, not a replacement [3].

- **... less secure than Traditional Exams**

For on-campus examinations, there are still invigilators in the examination rooms. Additionally, e-Assessment not only introduces new ways of cheating, but also new ways to prevent cheating.

- **... a simple Add-On to Assessment**

Necessary processes within the process landscape of an Institute of Higher Education (IHE) have to be newly developed or adapted in order to properly support the conduction of e-Assessment.

Strong and Weak Points of e-Assessment

- | | |
|--------------------------|--------------------------------|
| + Life Cycle | – Dependence on Infrastructure |
| + Domain-Specific Tools | – Effort |
| + Simplified Correction | |
| + Innovative Assignments | |
| + Simplified Archiving | |

How to do e-Assessment

Basic Requirements:	Students have to be identifiable, Results have to be stored reliably, Cheating has to be prevented, Students have to be treated equally
Integration:	e-Assessment needs reliable processes in an IHE that it can build on
Security Software:	Lockdown Software for Labs, other Approaches for BYOD [4]

References

- [1] A. Oldfield et. al.: Assessment in a digital age: A research review. (2012)
- [2] G. Crisp: Interactive e-assessment: moving beyond multiple-choice questions. (2009)
- [3] B. Küppers and U. Schroeder: Vergleich von Papierklausuren und elektronischen Prüfungen (2017)
- [4] B. Küppers et. al.: Towards reliable e-Assessment (2017)

