University of Groningen

Digital Examination

IDEM DITO 2011
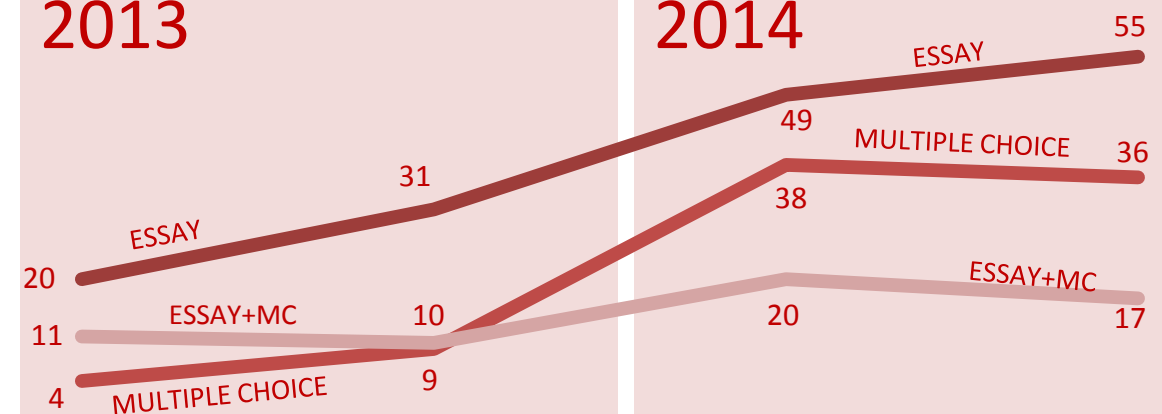
FB DITO & Nestorsupport

2014

225 digital exams

Aletta Jacobshal

288 exam tables

Supported by ESI/FB Dito
Other locations partially
supported by ESI/FB DiTo.
Support for more locations
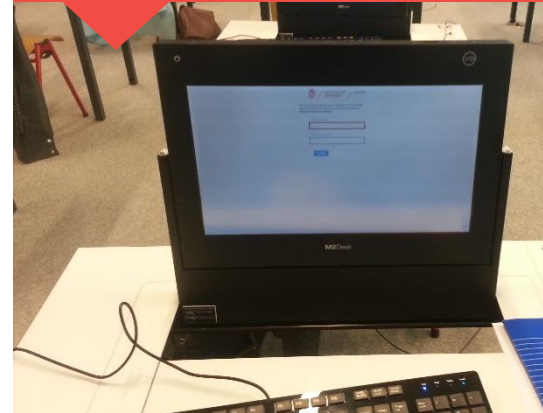in the near future

2013

ESSAY: 20 — 31
ESSAY+MC: 11 — 10
MULTIPLE CHOICE: 4 — 9

2014

ESSAY: 49 — 55
MULTIPLE CHOICE: 38 — 36
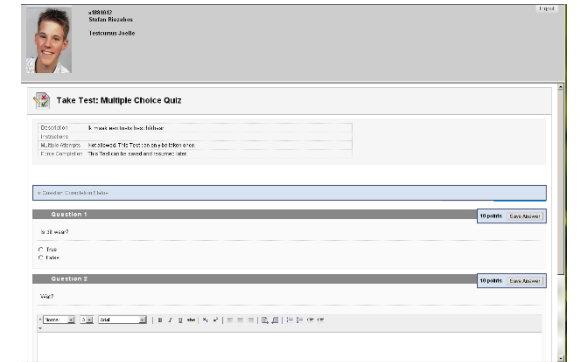ESSAY+MC: 20 — 17

Examination hall

Aletta Jacobshall

COMPUTER

INTERFACE

MULTI FUNCTIONAL TABLES

Benefits Digital Examination

1 **HANDWRITING**
Reading the handwritten from your students at essay exams can be hard.

2 **CORRECTING**
Correcting the essay exams in Nestor is easier for a teacher. No more paperwork!

3 **FLEXIBLE EXAMS**
Flexible exams with advanced options like adaptive release for additional questions based on multiple choice exam scores.

4 **MEDIA**
You can use both video and audio in exams. The computers are equipped with a headphone plug.

5 **STUDENTS**
Students are able to rearrange text fragments easily. No more strikethrough and arrows!

6 **REDUCE PAPER**
Digital exams reduce amount of paper stored in archives etcetera, so it is a sustainable solution!

intake → preparation → examination → processing → analysis

Before preparation

- Lecturer → Faculty Scheduler
- Schedules exam with "#DIGITAL" in Aletta Jacobs hall 3

Exam management portal overview

Exam management portal testdetails
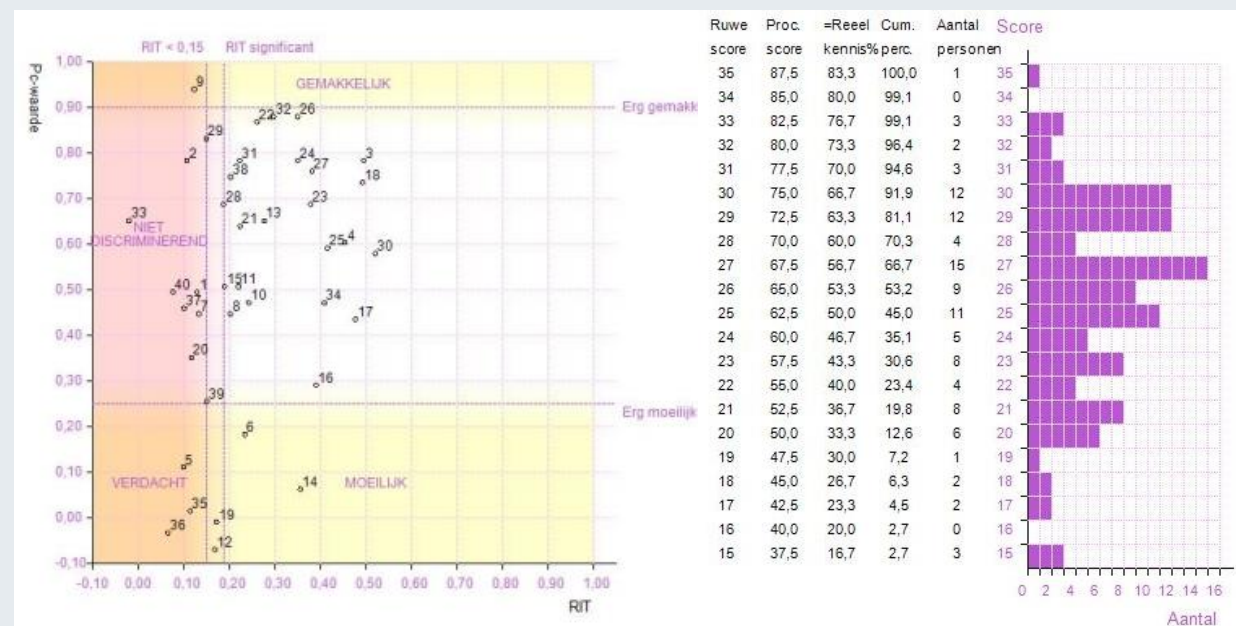
Analysis

ANALYSIS

- Ratio correct/incorrect per question (p-value)

- Question score compared to total score (RIT)

- Plot with pc-value by RIT for each item

- Frequencies of distractors

- Calculate grades, based on rules of faculty/lecturer

QUALITY IMPROVEMENT

- Courses for teachers

- University Teaching Qualification program

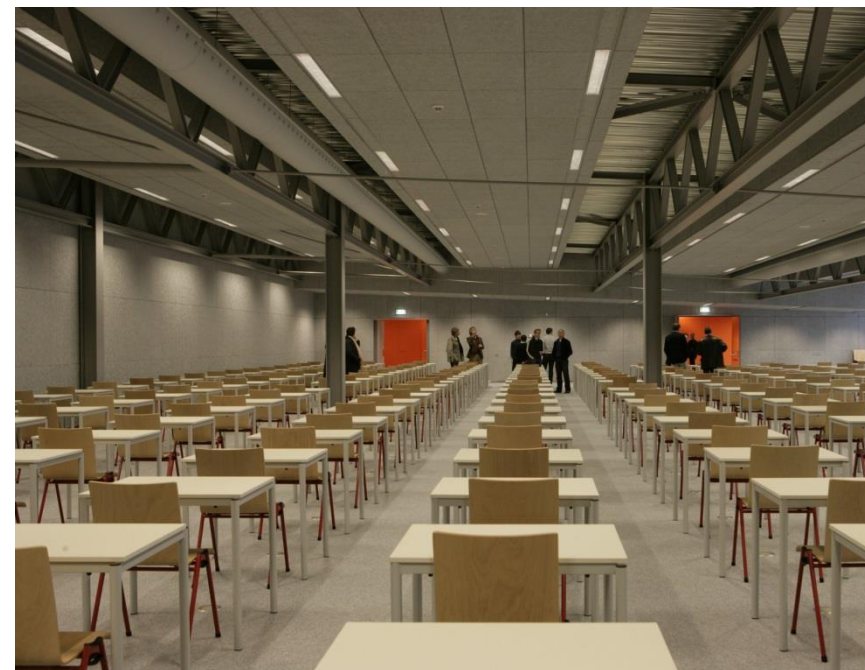- Research into quality of (digital) assessment

Evaluation

SURVEY AND FOCUS GROUPS

Groups of students receive survey online.

Lecturers receive survey online.

⊕ Lecturer's wishes
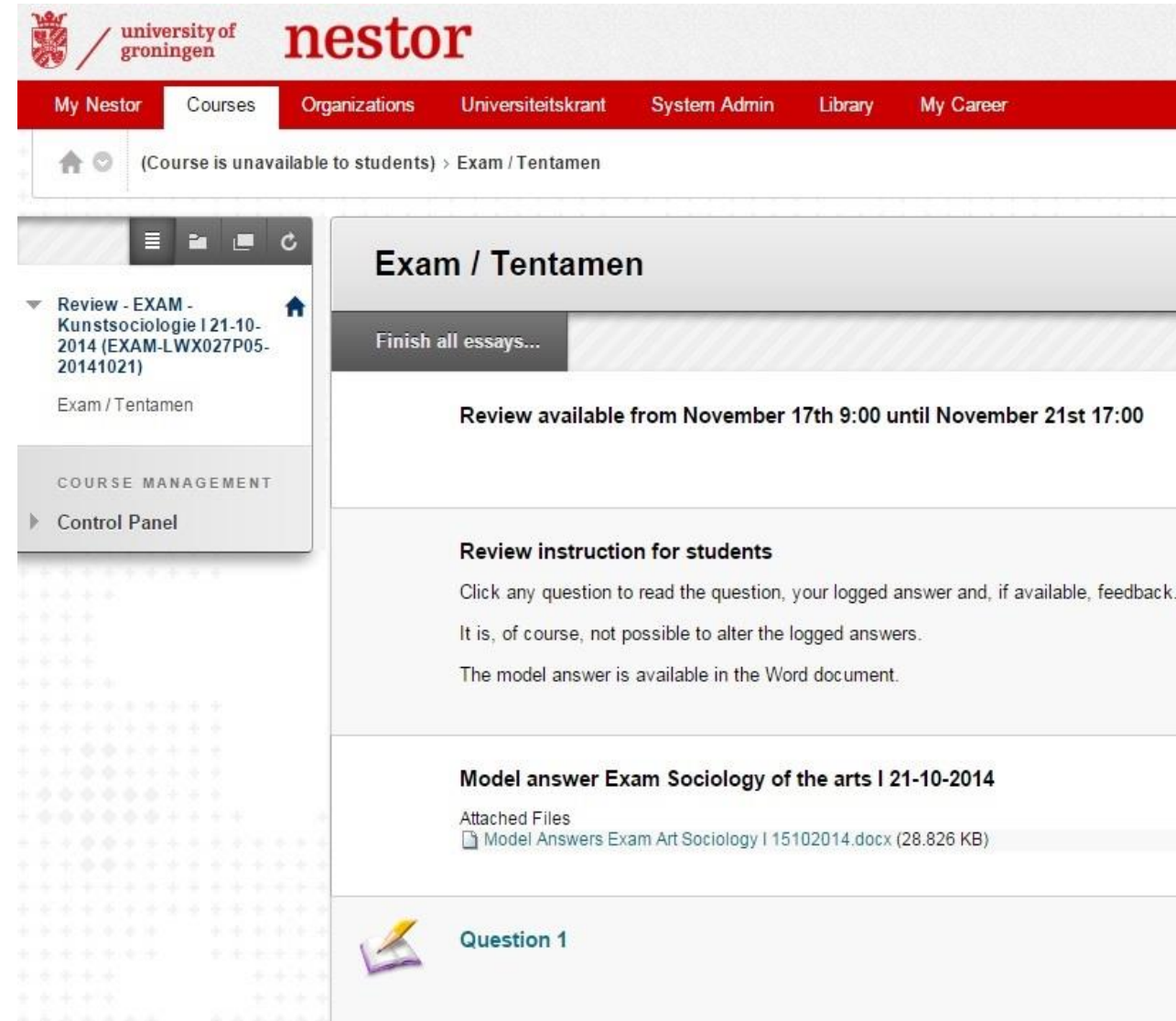Have led to improvements in the assessment process (printing questions etc.).

⊕ Student's wishes
Have led to improvements in the navigation during the exam and a practice test to get acquainted.

Review

Lecturer decides which parts:

questions

submitted answers

feedback

model answer

Time restriction

Future

- Blackboard combined with SPSS, PDF & Excel

- Other operating systems & software and flexible policies

- More exam tables and use in exam hall and more locations at UoG

- Similar exam environment anywhere in the university

- Portal for written and digital exams available to lecturers, students, exam support staff, technical support and exam officials with archive and analysis functions

Thank you for your attention.

UNIVERSITY OF GRONINGEN

DIGITAL EXAMINATION