

# Examination at the OUNL

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## Examination at the OUNL

Desirée Joosten, IPO/CELSTEC, Open Universiteit Nederland

15 September 2010


Centre for Learning Sciences and Technologies  
celstec.org



## History

- 1984 – 1987
  - Module system of courses; each course an exam
  - Written (open ended question or multiple choice), oral, or assignments
  - Financial and organizational problems
- 1987 – 1990
  - Development of SYS (version 1 – 4); flexible examination system
- 1990 – 2007
  - Technological improvements
- 2007 - 2009
  - Introduction and planning Online testing
  - Product selection (Questionmark perception)
  - pilots.
- 2009 - ...
  - Implementation


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## Forms of testing

- Four major forms of testing:
  - Paper and pencil (mc and open ended) *in transition to Computer Based Group exams*
  - Sys (mainly mc, a few open ended) *in transition to Computer Based Individual exams*
  - Skills exams (reports, presentations, projects (performance assessment, peer assessment, portfolio assessment, ...))
  - Oral exams
- But also:
  - Intake assessments and self-assessment
  - Assessment of Prior Informal and Non-formal learning (APL)

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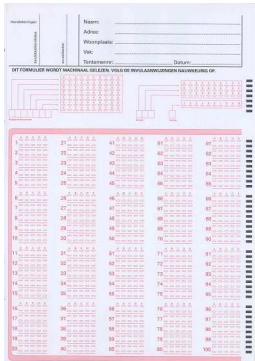


## SYS procedure - student


Student:

- registers online via website
- chooses course, date and study centre
- receives a confirmation of his booking by mail
- Go to the study centre and the 'sys-manager' of study centre controls student information
- Takes place at a table and receives exam (exam introduction + questions) and an optical readable form
- After finishing the exam, the student contacts the 'sys'-manager
- 'Sys-manager' scans the answers of the student
- Student receives (tentatively) score. Questions have to be handed in.

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## SYS procedure - organisation

- Lecturers write question according a blue print (number of questions is 7 x the number of questions in a regular exam)
- Questions are stored in a database. The structure is conform the blue print
- The manager in the study centre prints the exam on demand when the student is there
- After the exam the manager scans the answers and the result is given to the student
- Results (totals and scores per question) are stored in the database
- Lecturers receive statistic information about their questions
- Questions are improved if necessary

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**Result Set Analysis : R08181RT090127**

Note: You must click on the "Edit and Lock" button in order to edit this result set.

View Participant Results | View History of Changes

Assessment Information		Result Set Name	
Number of participants	119	R08181RT090127	R08181RT090127
Number of questions	34	Assessment Description	N/A
Mean	20.76 (69.22%)	Perception Assessment Id	84496936029720355
Median	21.00 (70.00%)	Date Created	Apr 14 2009
Mode	20.00 (66.67%)	Filters Applied	Group: No Filter
Standard deviation	4.58 (15.28%)	Date	
Minimum possible score	0	Start: No Filter	
Maximum possible score	30	End: No Filter	
Minimum achieved score	11.00 (36.67%)	Special Fields	No Filter
Maximum achieved score	30.00 (100.00%)		
Cronbach's Alpha reliability	0.758		
Overall assessment pass rate	75.00 (63.02%)		
Overall assessment fail rate	44.00 (36.97%)		

Set Assessment Pass Score: 20

Click on a question in order to view more details and change question scoring. Click the "Recalculate" button to preview any changes made (e.g. this will not commit changes to the database). When you are satisfied with your changes, click the "Calculate & Save" button to commit the changes.



Question Description	Topic	Drop Or Credit	Item Difficulty	Item Discrimination	Angoff Estimate
Q1	06 Rechtswetenschappen\RO8181 Inleiding bestuursrecht\RT\januari 2009		0.437	0.495	
Q2	06 Rechtswetenschappen\RO8181			N/A	

Question Type	Multiple Choice
Maximum score	1
Minimum score	0
Difficulty	0.571
Discrimination	0.547
Number of participants who were presented the question	119
Number of participants that responded to question	119
Question ID	32
Revision #	8
Question MID	23829780
Question LID	94731221
Drop Or Credit	

Outcomes	Original Scores	Edit Scores	Number and percentage of participants achieving scores			
			All	Upper 27%	Middle 46%	Lower 27%
0 afdeling 2.2	0		8 (6.7%)	0 (0.0%)	1 (0.8%)	7 (5.9%)
1 afdeling 3.2	0		3 (2.5%)	0 (0.0%)	1 (0.8%)	2 (1.7%)
2 afdeling 3.7	1		68 (57.1%)	28 (23.5%)	36 (30.3%)	4 (3.4%)
3 afdeling 8.1.1	0		40 (33.6%)	5 (4.2%)	16 (13.4%)	19 (16.0%)
No response		Recalculate	0	0	0	0

## Transition to Computer based testing

- Itemconstruction and itembank management
- Blue prints and test construction
- Import- and exportfacilities
- Related OUNL processes
- Reports and analyses
- Proces control and workflow support

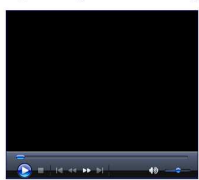
Assessment Tryout (first block only)

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Reinvormen OUNL  
Deelnemer:

Vraag 5 van 16

Bekijk het videofragment en beantwoord vervolgens de onderstaande vraag.



Beschrijving van het videofragment: Sophie van 15 jaar vertelt: "Ik leef twee levens, mijn vriendenleven en mijn thuisleven". Ze voelt zich niet gehoord en begrepen door haar ouders. Met haar vriendinnetje gaat ze uit, speelt ze video's en experimenteert ze met softdrugs (blowen). Haar ouders hebben al deze gedragingen verboden. Sophie wil echter spannende dingen doen en van alles meemaken en ontdekken. Zij zet zich hierbij af tegen haar ouders.

Ook al is het een heel vervelende situatie voor Sophie en haar ouders, toch kan het experimenteren- en afzetgedrag van Sophie een functie hebben, verklaar dit.

Het kan haar helpen bij het aangaan van vriendschapsrelaties.

Antwoord: Het kan haar helpen bij het aangaan van vriendschapsrelaties.

Antwoord: Het kan haar helpen bij het aangaan van vriendschapsrelaties.

Assessment Tryout (first block only)

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Reinvormen OUNL  
Deelnemer:

Vraag 1 van 16

Meerkeuze 5 alternatieven (Multiple Choice): 1C

Wat is de hoofdstad van Frankrijk?

Parijs

Madrid

Amsterdam

Rome

Brussel

Assessment Tryout (first block only)




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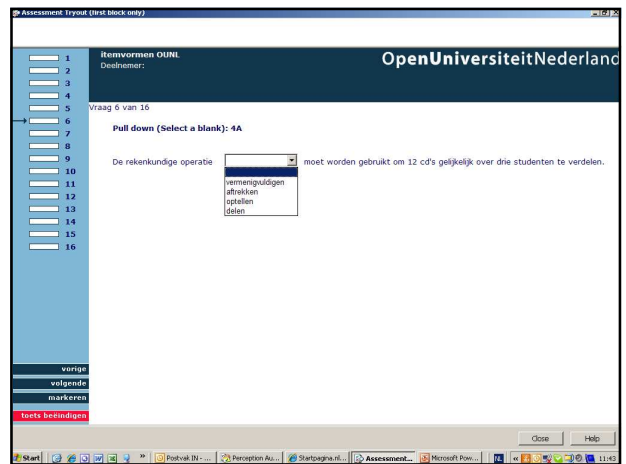
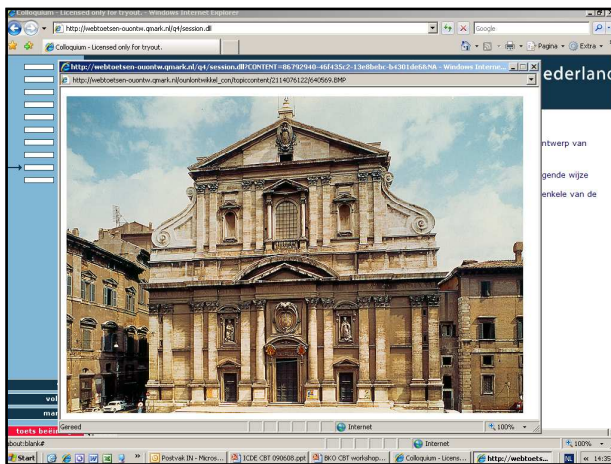
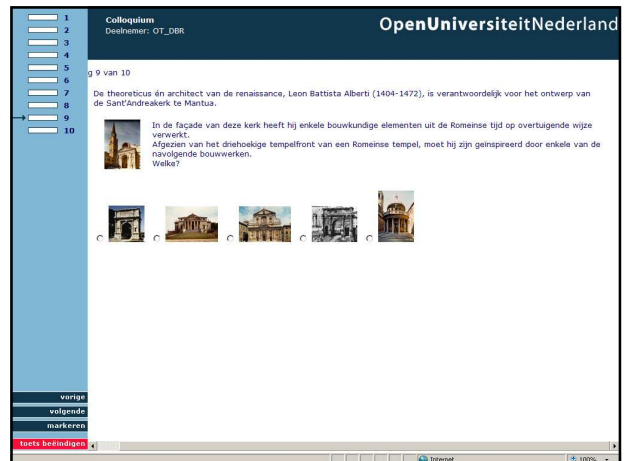
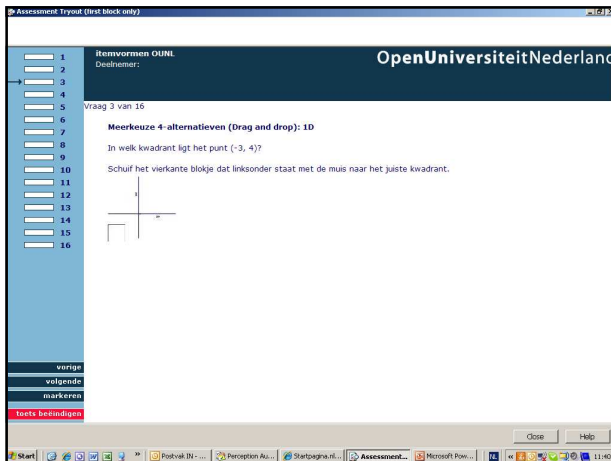
Reinvormen OUNL  
Deelnemer:

Vraag 2 van 16

Meerkeuze 4 alternatieven (Multiple Choice): 1C

Op welke foto staat Fred de Roode?





## Findings visit OUT

- Great organisation of the exam procedure
- Exams are using mainly mc and open ended questions. For the mc, use of scrap forms will improve efficiency and decrease the time for marking
  - First step, scanner at the examination syndicate
  - Later, scanner at the study centres
- Using blue prints is a guarantee for coverage (validity)
- Training is needed in question and exam construction.
- Expertise on question and exam construction is available at the education faculty
- Use the same procedure for the question construction as for the marking. Plan panel sessions to construct questions according the blue print.
- By these panel sessions you can create question pools, which can be used for exams on demand.
- Marking open ended question in 'Exams on demand' demands an other planning. Limit the number of sessions
- Make use of secret exams if only a few students appear for an exam.