

# From Blackboard to Moodle



Euroopa Liit  
Euroopa Sotsiaalfond



Eesti tuleviku heaks

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## AGENDA (PART 1)

**12th of August, 2010**

9.30 – 10.00 Arriving

10.00 – 11.00 Opening and Background

- Similarities and Differences between the features
- What can you move and how?

11.00 – 12.00 First steps - Let's move content from Bb to Moodle

- Checking the existing Bb course and its features
- Making a list what can you move easily
- Moving course files from Bb
- What should you do with your content before moving it?

12.00 – 13.00 Lunch

## AGENDA (PART 2)

### 12th of August, 2010

13.00 – 14.45 Second steps - Creating new course in Moodle

- Moving content to Moodle
- Linking to the content (different ways of linking)
- Testing the moved content

14.45 – 15.00 Coffee break

15.00 – 17.00 Practical work - Moving courses

- Continue working with your courses
- Standards compliance (IMS, SCORM)
- Q&A

## AGENDA (PART 3)

### **13th of August, 2010**

9.00 – 10.45 Practical work - Moving courses

- Continue working with your courses
- Moving quizzes with Tartu University tool
- Moving quizzes with Respondus

10.45 – 11.00 Coffee break

11.00 – 13.00 Practical work - Moving courses

- Continue working with your courses
- Concentrating to more advanced features

13.00 – 14.00 Lunch

## AGENDA (PART 4)

### 13th of August, 2010

14.00 – 15.30 How to fill the gap between Bb and Moodle

- "I did this in Bb, how can I do it in Moodle?"
- What can you find from moodle.org and other resources?
- How to move other stuff (quizzes, discussions, web links, etc.)

15.30 – 15.45 Coffee break

15.45 – 16.30 Q&A and Discussion

16.30 – 17.00 Ending and conclusion

## MEDIAMAISTERI IN A NUTSHELL

- Expert in developing learning and know-how
- Business areas:
  - Technology Services
  - eLearning Services
  - HRD Services
- Over 250 active customers
- Tampere, Helsinki, Hämeenlinna, Turku
- Wide network of experts in various fields
- Revenue about 1,1 mEUR

## ABOUT BLACKBOARD

- Blackboard Inc. and WebCT Inc. founded 1997
- WebCT and Blackboard companies merged at 2006
- Designed for teacher centered delivery of content
- Proprietary, based on licensing fee
- 5000 institutions all over the world is using Bb products, about 70 different countries
- 15 different languages
- After the merger it's a bit confusing with Blackboard versions, when there is Classic Blackboard and re-branded WebCT product lines
- Bb9.1 just released

*Blackboard*

## ABOUT MOODLE

- Moodle is an Open Source Course Management System (CMS)
- It has become very popular among educators around the world as a tool for creating online dynamic web sites for their students. To work, it needs to be installed on a web server somewhere, either on one of your own computers or one at a web hosting company.
- Open source software project started in 2001
- About 54 000 registered sites, 1100 sites with 5 000 or more users
- 70 languages listed as “supported” over 200 different countries
- In Estonia, 120 registered sites
- In Finland, 260 registered sites (but there's many many more!)
- <http://moodle.org/stats/>

## QUICK SURVEY: WHAT TOOLS YOU'RE USING?

- Announcements
- Discussions
- Blog/Journal
- Chat&Whiteboard
- Mail
- Calendar
- Assignments
- Assessments
- Media Library
- Web links
- Learning Modules
- Content folders
- Group activities
- Activity reports
- Gradebook
- Other?

## SIMILARITIES

- **COURSE ADMINISTRATION**

- Enrolling students in courses
- Gradebook
- Monitoring student's activity

- **CONTENT MANAGEMENT**

- Uploading files (PDF, Word, PowerPoint, audio/video files)
- Linking to files and external web sites
- SCORM and IMS compliant

- **TOOLS**

- Discussion forums
- Chat
- Quizzes
- Assignment dropbox
- Calendar
- Glossary
- Who's Online
- Course participants (=roster)

# DIFFERENCES

## IN GENERAL

- Basic philosophy and logic
- Layout and GUI
- Navigation
- Terms
- Small differences in tools and features
- No more Java requirements!!!

## BB RULES IN

- Multiple levels in course content
- Conditional content and activities
- Content Repository
- Search options
- Learning Modules
- Group activities

## MOODLE RULES IN

- Roles and course access
- Blocks
- Language settings, language packs and language editor
- Wiki, Polls, DB tool,...

## DIFFERENCES IN TOOLS&FEATURES

- **Assignments:** not visible to other students
- **Quizzes:** minor differences in question types
- **Discussions:** no more blog or journal type of discussions, anonymous discussions, easy way for peer review
- **Conditional activities:** there isn't
- **Groups:** same groups in all activities and only useable in some of the activities, no more sign-up sheets
- **Grade Book:** more complex, and might miss some features
- **Build/Teach -tabs:** there is no more need to use different tabs
- etc.

Your location: Home Page

Add File Create Folder Add Content Link

Page Options

## Student Orientation to WebCT Campus Edition 6.0 (Blackboard)

You must have a current version of Macromedia Flash Player installed in order to view these files.  
You may download the newest version from

<http://www.macromedia.com/go/getflashplayer/>



[Student Orientation](#)

The Student Orientation to WebCT provides students with a brief introduction to the student interface and several of the most commonly used tools, including Assessments, Assignments, and Discussions.



[Exploring WebCT Campus Edition 6.0](#)

The interactive Student Tutorials focus on four key areas critical to student success in WebCT:  
- Student Interface  
- Discussions  
- Assignments

- Course Tools
  - Course Content
  - Assessments (H)
  - Assignments (H)
  - Discussions (H)
  - Learning Modules (H)
- (H) = Hidden

- Designer Tools
- Manage Course
- File Manager
- Grading Forms
- Selective Release

Moodle > Bb\_to\_Moodle

Switch role to... Turn editing off

People

Participants

Activities

- Assignments
- Books
- Forums
- Quizzes
- Resources

Search Forums

Advanced search

Administration

Turn editing off

Weekly outline

<ul style="list-style-type: none"> <li>Uudistefoorum</li> <li>Imported Quiz</li> <li>Bb-imported Learning Module</li> <li>Book example</li> <li>Book example II</li> <li>Assignment 1</li> </ul>	<p>Add a resource... Add an activity...</p>
<p>9 March - 15 March</p>	<p>Add a resource... Add an activity...</p>
<p>16 March - 22 March</p>	<p>Add a resource... Add an activity...</p>
<p>23 March - 29 March</p>	<p>Add a resource... Add an activity...</p>

Latest News

Add a new topic...  
(No news has been posted yet)

Upcoming Events

Assignment 1  
Tuesday, 20 April  
Go to calendar...  
New Event...

Recent Activity

Activity since Sunday, 11 April 2010, 01:35 PM  
Full report of recent activity...

Course updates:

Added Assignment: Assignment 1

## BASICS ABOUT COURSE MIGRATION

- You can't move course that is currently active
  - Students and their content cannot be moved (grades, assignments, discussions, etc.)
- There will be some Copy-Paste to do
- Even if there is way to move stuff more directly (IMS, SCORM, Respondus, etc.), you should check what works and what doesn't

# MOVING STUFF FROM BB TO MOODLE

*You can easily move your:*

- **Files**
  - zip and download from Bb, the upload and unzip in Moodle
- **Quiz questions**
  - with Respondus
  - will need an extra module installed in Moodle:  
<http://moodle.org/mod/data/view.php?d=13&rid=986&filter=1>
- **Learning Modules** (materials only, not activities)
  - zip and download (Bb), upload and unzip (Moodle) the files
  - you should arrange your LM files into folders before uploading it to Moodle
  - **Option 1:** add Book into Moodle course and import the files (or folder) into it (if you're using HTML content)
  - **Option 2:** Add your LM content and activities into Topic outline -block

## ACTIONS FOR CONTENT BEFORE MOVING TO MOODLE

- *Organize files into folders for easier linking in Moodle, for example:*
  - *Learning Module name → Folder\_name*
  - *Content Folder name → Folder\_name*
- *Make sure there's now special characters in file or folder names*
- *Check the file size limit in Moodle*

## FOR ARCHIVING PURPOSES

- **Files:** Build -tab -> File Manager → choose files -> Zip. Save zipped file to your computer.
- **Participants and grades:** Save your students and their grades as an Excel file choosing Teach -tab → Grade Book → Export to Spreadsheet. Choose "All Members", "All Columns", "Comma-delimited" and "UTF-8". Save file to your computer.
- **Discussions:** Teach -tab → Discussions → "name\_of\_the\_topic" → Expand all → select all messages by selecting the box from the Subject -row → Create Printable View → Save as File. Save file to your computer. Messages are saved as HTML file.
- *Other stuff you can move and archive basically using Copy-Paste*

FILE EXPORT FROM BB

# LIVE DEMO

## STANDARDS COMPLIANCE

- Both systems support SCORM and IMS standards
- SCORM packages used in Bb should work fine in Moodle also
- IMS Content packages can be imported into both systems
- From Blackboard you can export stuff in IMS format (Quizzes, Learning Modules), from Moodle you can't
- There is an option to import Bb-exported IMS content to Moodle, but the compliance isn't that good (IMS versions?)
  - Example: Content Module in Bb → IMS Content in Moodle
- CONCLUSION: the standards compliance isn't a solution for migrating courses today (it could be an option in the future, though)
- More information: <http://imglobal.org/>

# HOW-TO MOVE QUIZZES #1: EXPORT QUESTIONS

- Install Respondus (30-day trial) to your computer:  
<http://www.respondus.com/download/respondus.shtml>
- Get the questions from Blackboard with Respondus
  - Change Current Personality to WebCT 6-8
  - Click Create → add file name and description → OK
  - Select Retrieval & Reports -tab → Retrieve Questions -tab from left
  - Add a new server
    - Add WebCT 6 Server information your Bb URL: "<https://webct.e-uni.ee/webct>" → Extract → Institutions → Select your institution
    - Write a Description (for example "EE Blackboard")
    - Add your Username and Password (the same ones you use while logging in to Bb) → Click OK
  - Select the server you created (for example "EE Blackboard")
  - Select the section that includes the questions you want to export
  - Select quiz or question category
  - Write the name of the file, for example "BB-import"
  - Click "Retrieve" and wait until status is "Completed"

## HOW-TO MOVE QUIZZES #2: CONVERT FILE

- Go to Start -tab from Respondus → select Current Personality as "IMS QTI 1.1+"
  - Respondus informs you that the question file has been created to other LMS and offers to convert it. Click OK
  - Respondus informs you if there will be some errors in conversion
- Save the converted questions. You can replace the Bb imported file by selecting "Replace Current File"
- Go to Preview & Publish -tab and select "Save QTI XML File" from the left
  - Select "Points as decimal numbers"
  - Leave "File format" -field as it is ("QTI XML zip file using IMS Content Packaging 1.1.3")
  - Click "Save as" and select destination folder from your computer.

## HOW-TO MOVE QUIZZES #3: IMPORT QUESTIONS

- Login to Moodle and go to your course
- Select "Questions" from Administration block
- Go to Import -tab
- Select "Respondus QTI" as a file format
- Select category for the questions if needed
- Find the question file from your computer clicking Browse -button → select the file → click "Upload this file"
- Questions have been imported to Moodle. You should check if there's some errors in the questions before using questions in quizzes

Responsus - Bb-imported-eksam.rsp

File Edit View Help

ABC ✓ ✂ 📄 📁 B / U x<sub>2</sub> x<sup>2</sup> Σ <H> Media Power Edit ?

Start Edit Settings Preview & Publish Retrieval & Reports

WebCT 6 - 8 / Vista 4 - 8

Responsus - Bb-imported-eksam.rsp

File Edit View Help

ABC ✓ ✂ 📄 📁 B / U x<sub>2</sub> x<sup>2</sup> Σ <H> Media Power Edit ?

Start Edit Settings Preview & Publish Retrieval & Reports

WebCT 6 - 8 / Vista 4 - 8

Responsus - qti-exported.rsp

File Edit View Help

ABC ✓ ✂ 📄 📁 B / U x<sub>2</sub> x<sup>2</sup> Σ <H> Media Power Edit ?

Start Edit Settings Preview & Publish

IMS QTI 1.x

Responsus - qti-exported.rsp

File Edit View Help

ABC ✓ ✂ 📄 📁 B / U x<sub>2</sub> x<sup>2</sup> Σ <H> Media Power Edit ?

Start Edit Settings Preview & Publish

IMS QTI 1.x

**Preview & Publish**

Preview

Save QTI XML File

Print Options

Save QTI XML File ?

Use this option to save the currently open file to QTI XML 1.2 format.

- Select preferences
  - Points
    - Points as decimal numbers
    - Points as percentages 0-100% (Recommended for WebCT Vista, Desire2Learn)
  - File Format
    - QTI XML file
    - QTI XML zip file using IMS Content Packaging 1.1.3
- Save As

# QUIZ IN BLACKBOARD

Blackboard Learning System - Mozilla Firefox

Tiedosto Muokkaa Näytä Sivuhistoria Kirjanmerkit Työkalut Ohje

e-uni.ee https://webct.e-uni.ee/webct/urw/lc14252001.tp0/cobaltMainFrame.dowebct

Useimmin avatut [Lisää kirjanmeriksi] EGW CRM Pupu MMG Intra mExpertise mLounge MMG-Trac RSS Behind Bb Bb Support Bulletins Bb Connections

Blackboard Learning System Course: From Blackboard to Moodle Testing, Assessment, and Survey T... markotesti: Files Moodle.org: Modules and plugins

Eesti Infotehnoloogia Kolledž

My Blackboard | Accessibility | Help | Log out

Build Teach Student View

## IT Kolledži kursused - Algoritmid ja andmestruktuurid (J. Kiho)

Your location: [Assessments](#) > Eksam

**Eksam** (Hidden)

Description

Eksamitöö (50% hindest)

[Add to Assessment](#) [Create Questions](#)

Move		Title	Points	Type
	<input type="checkbox"/>	1. <a href="#">kas11</a>	<input type="text" value="1"/>	True False
	<input type="checkbox"/>	2. <a href="#">kas12</a>	<input type="text" value="1"/>	True False
	<input type="checkbox"/>	3. <a href="#">kas13</a>	<input type="text" value="1"/>	True False
	<input type="checkbox"/>	4. <a href="#">kas14</a>	<input type="text" value="1"/>	True False
	<input type="checkbox"/>	5. <a href="#">kas15</a>	<input type="text" value="1"/>	True False
	<input type="checkbox"/>	6. <a href="#">kas16</a>	<input type="text" value="1"/>	True False
	<input type="checkbox"/>	7. <a href="#">kas17</a>	<input type="text" value="1"/>	True False
	<input type="checkbox"/>	8. <a href="#">kas18</a>	<input type="text" value="1"/>	True False
	<input type="checkbox"/>	9. <a href="#">kas19</a>	<input type="text" value="1"/>	True False
	<input type="checkbox"/>	10. <a href="#">kas21</a>	<input type="text" value="1"/>	True False

(H) = Hidden

Valmis

# IMPORTING TO MOODLE

markotesti: Import questions from file - Mozilla Firefox  
markotesti: Edit questions - Mozilla Firefox  
Bb\_to\_Moodle: Editing Quiz - Mozilla Firefox

Tiedosto Muokkaa Näytä Sivuhistoria Kirjanmerkit Työkalut Ohje

https://moodle.e-ope.ee/mod/quiz/edit.php?cmid=116812

Useimmin avatut [Lisää kirjanmerkiksi] EGW CRM Pupe MMG Intra mExpertise mLounge MMG-Trac RSS Behind Bb Bb Support Bulletins Bb Connections

Blackboard Learning System Bb\_to\_Moodle: Editing Quiz Testing, Assessment, and Survey T... markotesti: Files Moodle.org: Modules and plugins

## From Blackboard to Moodle

You are logged in as Mark Mäkila (Logout)

Moodle > Bb\_to\_Moodle > Quizzes > Imported Quiz > Editing Quiz

Update this Quiz

Info Results Preview Edit

Quiz Questions Categories Import Export

### Questions in this quiz

Order	#	Question name	Type	Grade	Action
↓	1	def1	<input type="checkbox"/>	1	🔍 ⚙️ >>
↑ ↓	2	def2	<input type="checkbox"/>	1	🔍 ⚙️ >>
↑ ↓	3	def3	<input type="checkbox"/>	1	🔍 ⚙️ >>
↑ ↓	4	def4	<input type="checkbox"/>	1	🔍 ⚙️ >>
↑ ↓	5	def5	<input type="checkbox"/>	1	🔍 ⚙️ >>
↑ ↓	6	omadus1	<input type="checkbox"/>	1	🔍 ⚙️ >>
↑ ↓	7	omadus2	<input type="checkbox"/>	1	🔍 ⚙️ >>
↑ ↓	8	Programm1	<input type="checkbox"/>	1	🔍 ⚙️ >>
↑ ↓	9	valik01b	☰	2	🔍 ⚙️ >>
↑ ↓	10	valik02a	☰	2	🔍 ⚙️ >>
↑ ↓	11	valik02b	☰	2	🔍 ⚙️ >>
↑ ↓	12	valik02c	☰	2	🔍 ⚙️ >>
↑ ↓	13	valik02d	☰	2	🔍 ⚙️ >>
↑ ↓	14	valik02e	☰	2	🔍 ⚙️ >>
↑ ↓	15	valik03	☰	2	🔍 ⚙️ >>

### Question bank

Category Default for From Blackboard to Moodle

- Display questions from sub-categories too
- Also show old questions
- Show question text in the question list

The default category for questions shared in context 'From Blackboard to Moodle'.

Create new question Choose... ?

No questions have been added yet

# KNOWN PROBLEMS IN QUESTIONS

- **Matching questions:**
  - In Blackboard can include HTML in second column, in Moodle it will be converted to text
  - If only two answer options, won't be converted to Moodle. You'll need to create True/False question in Moodle
- **Calculated questions:**
  - Doesn't convert correctly to Moodle, you need to create new questions as Calculated or Numerical questions
- **Paragraph questions:**
  - Grade changes after conversion to 1 point. You can change this by editing the question and adding the correct grade to "Default question grade" -field
- **Short Answer questions:**
  - Questions that have more than one answer field won't be converted. You'll need to create new questions in Moodle. Respondus gives you an error message while converting: "One or more questions are 'Fill-in-the-Blank' but with multiple answer boxes and so cannot be edited or published in this personality."
  - Answer choices that gives less than 100% of the grade are changed to 100%

## HOW TO FILL THE GAP?

- Forget the "old tricks" and learn new ways of creating the activities and publishing the content for your students

Find and learn the new tools and features in Moodle

Create your courses from the scratch using "the Moodle way"  
(with the content from the Bb courses)

- Find Moodle modules to make activities work more like in Blackboard, for example
  - Group selection
  - Conditional activities
- Find other new modules and extra features to make the platform serve your needs: <http://moodle.org/modules>
- Moodle 2.0 is coming...

## HOW TO BECAME A CAPTAIN?

- Learning away from Blackboard
- Learning by doing
- Participate in training sessions in your institution
- Once again, create your courses from the scratch using "the Moodle way" and forget "the WebCT/Bb way"
- Visit some Moodle courses
  - browse your Moodle site for open courses
  - ask your colleagues to have a guest access
  - Visit in <http://demo.moodle.org>
- Check some webinars, presentations, videos, etc.
- Google, Google, Google
- [http://docs.moodle.org/en/Blackboard\\_migration](http://docs.moodle.org/en/Blackboard_migration)

# EVALUATION REPORT

- North Carolina LMS Evaluation committee made a comparison between Bb Vista and Moodle
- <http://moodle.org/mod/data/view.php?d=19&rid=2531>
- Moodle was rated highly in ease of use, flexibility, facilitation of teaching/learning goals, and correspondence to one's teaching/learning style
- Tools and functions crucial for designing and implementing Moodle courses (Assignments, Discussions, Learning Modules, Assessments, etc.) were rated as being preferable to those available in Bb by both faculty and students

## WRAP-UP

- Moodle might be a bit easier to use (atleast for newbies)
- You do have to manage without some of the features you're used to
- If there's something in Moodle that you would like to work a bit differently, YOU CAN make it
- Basically you can do almost the same things with both, in slightly different way, atleast as long as you're using the basic features

**THANK YOU!**

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