



Moodle in Teaching – Part II

How to use Moodle for teaching "Integrated Watershed Management"?



Overview

- 1. Moodle activities: How to use different tools for teaching?
- 2. Planning a Blended Learning course
- 3. Moodle course design: Do's and Don'ts



Moodle activities in teaching



E-Learning Tools in Moodle

Learning Management System

- online learning material (e-content)
- forum
- chat
- quiz and survey
- assignment
- wiki
- blog
- ..

for delivering content, online communication, online collaboration and (self-)assessment





How to decide on a tool?





Two perspectives: Tool vs. context of use





Need to know what a tool can be used for order to ...

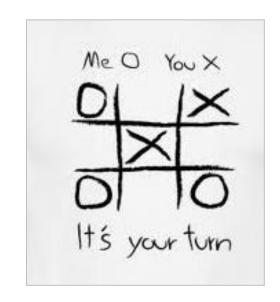
... decide which tool to use given a particular learning activity



Tools for E-Teaching

How can Moodle activities be used in teaching the IWM modules?

Think about how the different tools provided by Moodle can be used in teaching. Put down your ideas on the paper sheets provided.



Method: Brainstorming

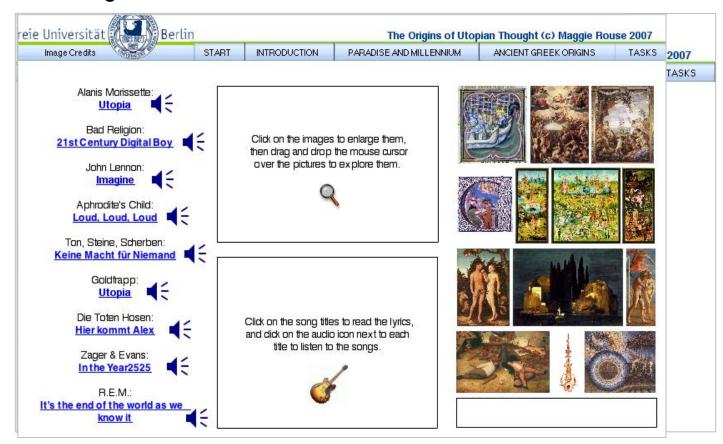
Material: Paper & pen

Duration: 10 min + discussion



Teaching IWM: Learning modules

Before the course starts: introduce a topic and ensure that learners have the same knowledge level



"Utopian Literature" Maggie Rouse Dept. of Philosophy and Humanities, FUB



Teaching IWM: Learning Modules

Further uses:

- prepare the seminar / lecture
- review content of seminar
- additional material for self-paced learning
- material for working on an assignment
- collaboratively extend modules

=> link from Moodle course to IWM learning module





Teaching IWM: Audio/Video

Teacher: deliver content

- podcast / vodcast a lecture
- provide instructional material before lecture
- part of assignment
- supply audio tutorial material

Students:

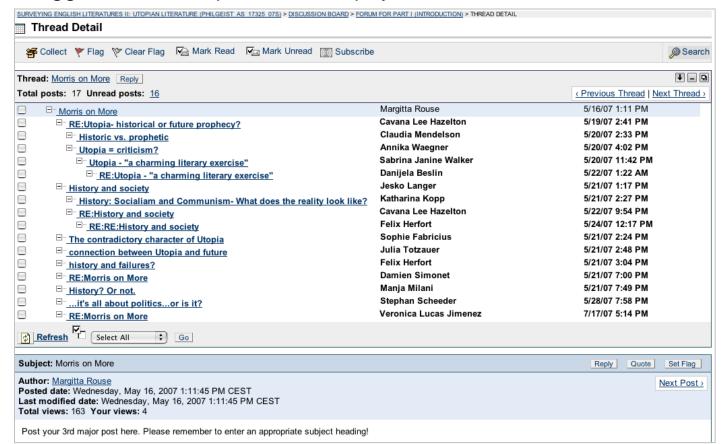
- record activities/ collect notes
- create podcast (instead of essay)
- document field work





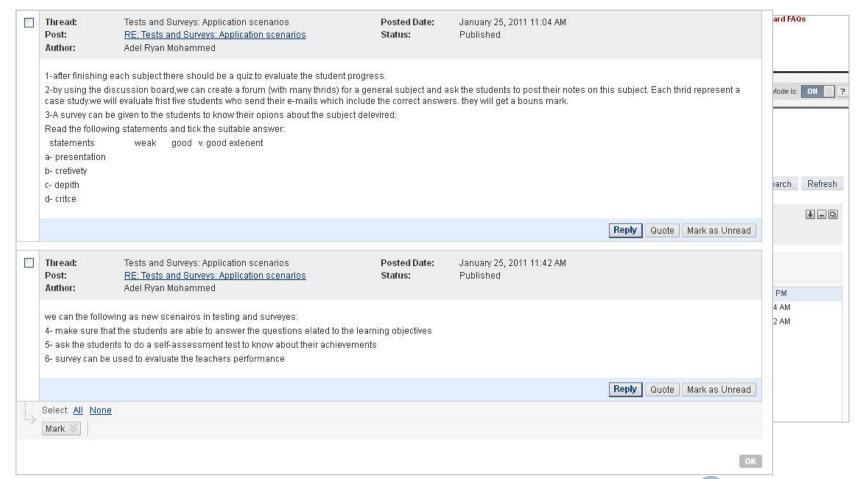
Obligatory posts (assignments)

Maggie Rouse, Dept. of Philosophy and Humanities, FU Berlin





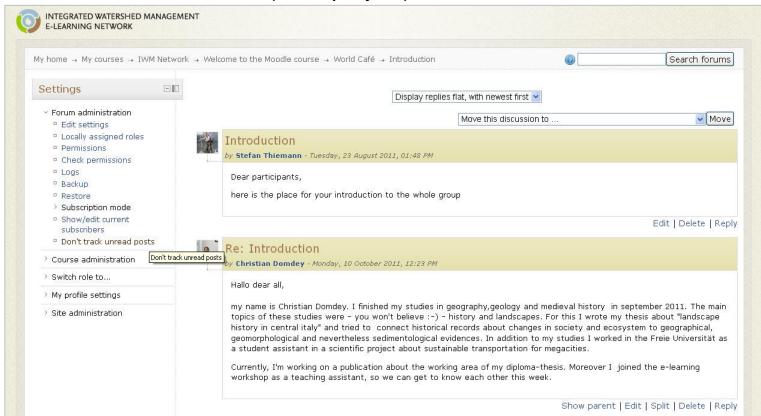
present results from group work (DPPCR project, FU Berlin)





Informal meeting place for

- off-the-topic communication,
- round of introduction (IWM project)





Teaching

- structured and open discussion, e.g. pro-contra discussion brainstorming / brainwriting
- collect questions for next seminar
- sample questions and answers for exam
- one-minute paper (feedback to course)
- peer reviewing, peer-to-peer feedback
- group work

Tutoring

- student communication with instructor
- online office hour
- coordinating group work
- FAQ, course information





Teaching IWM: Chat

Use Moodle chat / skype for

- virtual office hour
- organizing group activities
- tutoring (1:1- oder 1:n)
- conducting expert interview
- discussing IWM topics (e.g. modules)
- brainstorming
- role plays





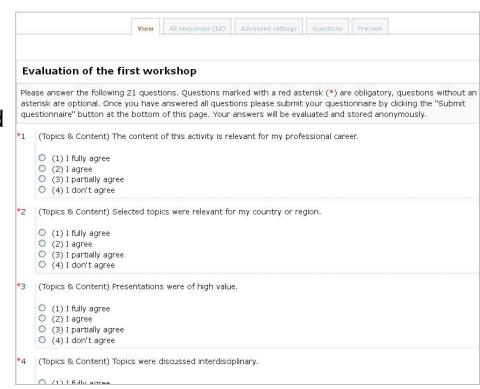
Teaching IWM: Quiz & Survey

Quiz

- pre-test to judge knowledge of students
- post-test so that instructors can judge what learners have understood
- self test to close IWM learning unit
- self test for individual learning, repetition
- have students create exam questions as preparation for exam

Survey

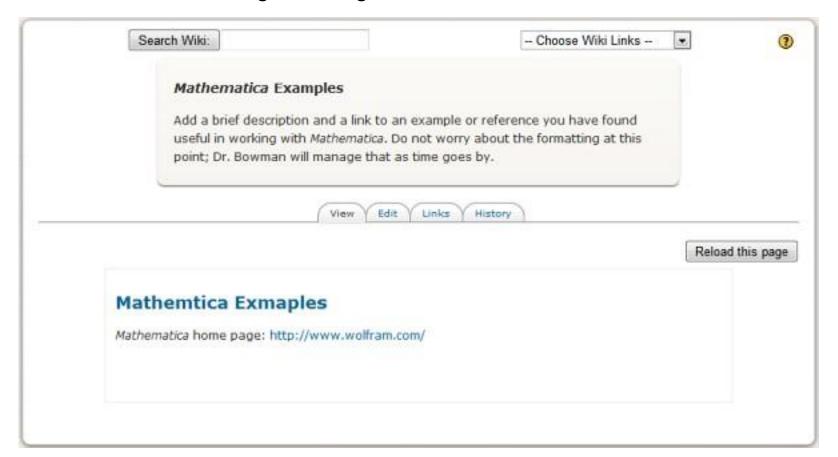
- pre-test (anonymous)
- evaluation of class
- self-test when doing individual study



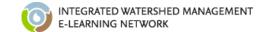




Collaborative authoring: creating a shared link list



http://www.edtechbybowman.net/MoodleAssists/blogswikisforums.html





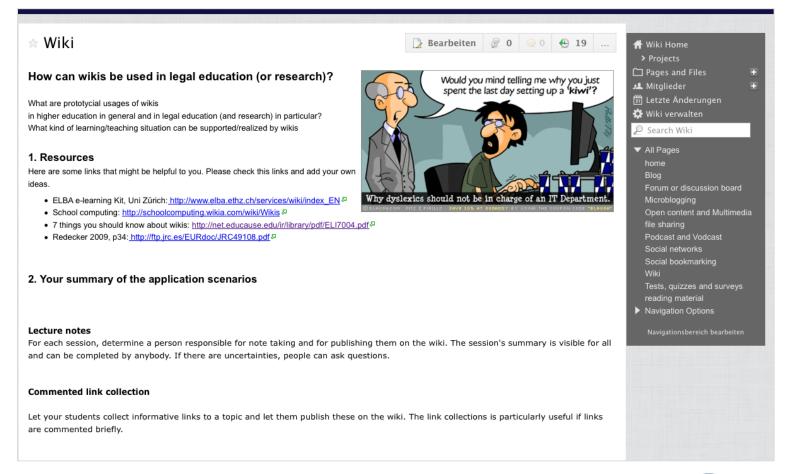
Collaborative authoring: encyclopedia

M.J. Beltran, Dept. of Philosophy and Humanities, FU Berlin

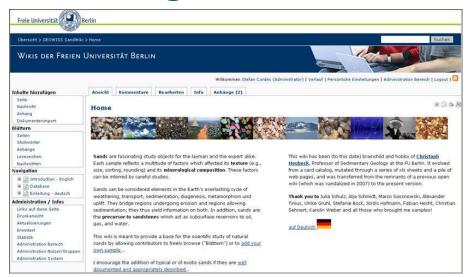


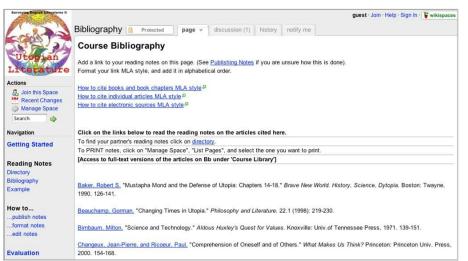


Documenting results from group work









Further uses

Collaborative authoring

- data base
- glossary
- annotated reading list / link list
- minutes/summary of lectures
- exam questions/central questions from lecture

Brainstorming

Peer feedback / review

Documenting group projects



Teaching IWM: Blog



- document field trip / stay abroad
- journal: document and reflect learning progress
- set assignments
- present and save results

Fotos aus Uvs von Steffi, Linda und Lene

26. August 2007 von Paul Schroeder



Kategorie Allgemein | 0 Kommentare »

Steffis Kommentare zu den Fotos

26. August 2007 von Paul Schroeder

INTERVIEWS IN DER STEPPE

Unser zweiter spannender Auftrag soll eine Befragung mehrerer Nomadenfamilien ueber ihre Viehwirtschaft sein. Lange vor Sonnenaufgang klingelt unerbittlich der Wecker, aber der Fahrer ist so lieb, seine Ankunft selbststaendig hinauszuzoegern, so dass wir die Sonne vor unserer gemeinsamen Jurte in Ulaangom geniessen koennen.

Foto 1

Ab der Station unseres Praktikumstierarztes im etwa 50 km entfernten Sum-Center Taarialan ist der Tierarzt aufgrund einer Fortbildung in der Hauptstadt abkoemmlich. So begleitet uns seine taffe Frau Tsendjav, die als Tierarztgattin beste Kenntnisse besitzt, zusammen mit ihrem Sohn, selbst Tiermedizinstudent, auf einem





Two perspectives: Tool vs. context of use





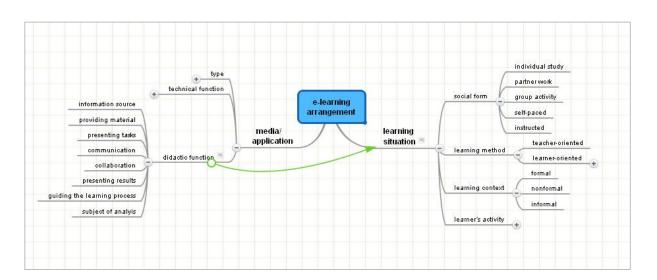
Need to know what a tool can be used for order to ...

... decide which tool to use given a particular learning / research activity



Context: Learning activities

How can specific learning activities be enhanced or supported by using learning technologies?



⇒ The adequacy and effectiveness of a particular medium results from the context of usage and the characteristics of the learning situation.





Planning a blended learning course



Planning a Blended Learning course

Why use e-learning tools and methods for teaching the IWM modules?

- new requirements wrt knowledge transfer and learners
- support self-paced, individual learning
- support collaboration and communication
- independence of place

- ...

Integrating e-learning into in-class teaching

- Which parts of the course are online?
- Which tools are used?
- How are in-class and online-instruction related?





Blended Learning course

Week 1



Week 2



Week 3

. . .



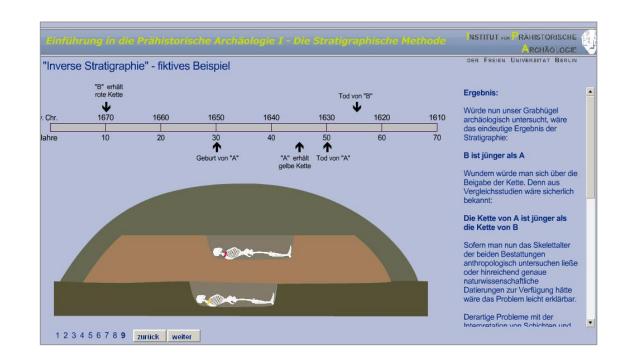


Blended Learning: Example

Department of History and cultural studies Dr. Stefan Suhrbier

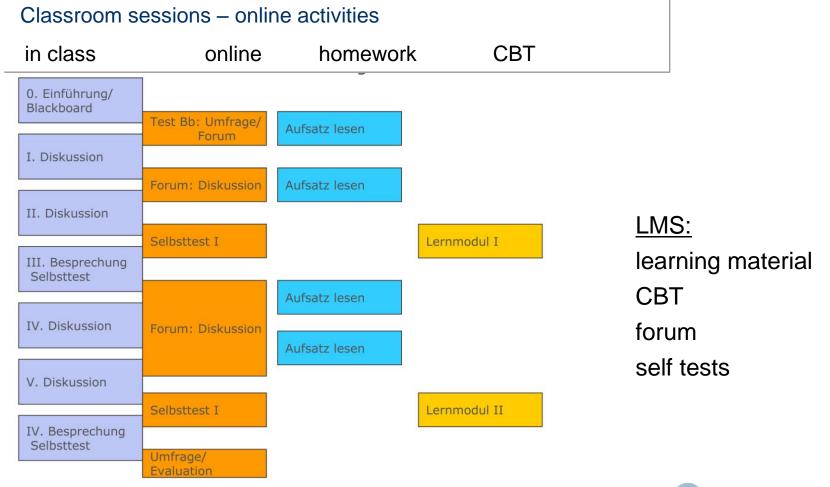
Tutorial for the lecture "Bronze Age"

material
information
presenting tasks and
assignments
assessing learning success
communication





Blending in-class and online-instruction





How to proceed when planning a course?

Basic data

- Topic of course
- type of course => teaching scenario
- degree programme, year => target group

General conditions

- room equipment
- personal resources
- prior knowledge of students, characteristics of target group
- your time budget
- your teaching preferences (methods, media, ...)

- ...





How to proceed when planning a course?

Learning objective
Learning content
Target group
General conditions
Didactic approach

methods <-> media







Blended Learning in action ...

What are the main differences as compared to a "traditional" course?

- material needs to be transformed into new formats
- requires technical infrastructure (technologies, support, ...)
- wider range of methods and media available
- requires additional skills of teachers and students (media literacy, learning methods, social skills, legal knowledge)
- more learner-oriented approach => changes to role of teacher
- tutoring tasks and methods (e-moderation, monitoring online activities)
- increased complexity in planning the entire teaching/learning arrangement (schedule, blend, use of media, ...), importance of time management



Developing a Blended Learning scenario

teaching/learning scenario requires a (even more) reflected and explicit didactical planning and didactic concept. 66

Egon Bloh 2005:17; my translation



3.

Moodle course design



TODO: Moodle course design

DOs

- -small number of menu items
- -well arranged course menu
- -well structured content areas
- -unambiguous naming
- -short description for every item
- -include only tools that you actually want to use
- -observe legal requirements
- -in general: KISS

-..



TODO: Good Practice examples

TODO: Moodle Good Practice





Simple advice!

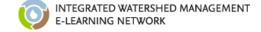
In the beginning Keep It Small and Simple (KISS) but above all:

Use Appropriate Technology Appropriately



Copyright Private Eye 2001

http://www2.le.ac.uk/institution/lts/talent/elearning





Teaching IWM using Moodle

How can e-learning be integrated into teaching IWM?

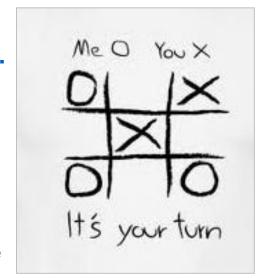
- Design a blended learning scenario for your module.
 In groups, discuss which e-learning elements can be used for teaching the different IWM modules. Sketch a blended learning scenario for the module that can be realized in Moodle.
- 2. Outline the Moodle course for your module.

 Based on the blended learning scenario, now outline the Moodle course that is used to teach the content of the module: Overall structure of your course, content areas and tools included, structure of the content areas.

Method: group activity

Material: paper & pen

Duration: 60 min + presentation





Thank you!

Dr. Brigitte Grote

CeDiS Freie Universität Berlin brigitte.grote@fu-berlin.de



