Dr. Ulrike Wilkens



multimedia competence center

HOCHSCHULE BREMEN
UNIVERSITY OF APPLIED SCIENCES

From ILIAS to

aulis.hs-bremen.de

or:

Can campus wide e-learning be developed by implementing a technical infrastructure?



Yes, if you are successful....

...in three dimensions:

```
technology:
establishing the capacity to act in technological terms
```

education: supporting gaining competence

organization: supporting integration



Yes, if you are successful...

...in one example:

introducing
a common learning platform
to support learning and teaching in
computer- and netbased scenarios

for

8500 student180 professors70 external lecturers.



Yes, if you are successful...

...in all stages of the process.

Were we?

decision:

Nov. 2001 – July 2002

implementation:

Aug. 2002 – Oct. 2002

training:

Nov 2002 - Jan. 2003

first experiences:

Feb. 2003 – May (Oct.) 2003



Yes, if you are successful...

...in all stages of the process.

Were we?

decision:

Nov. 2001 – July 2002

Lesson 1

implementation:

Aug. 2002 - Oct. 2002

Lesson 2

training:

Nov 2002 - Jan. 2003

Lesson 3

first experiences:

Feb. 2003 - May (Oct.) 2003



To reach your aim you have to ignore your aim

Lesson 2

Lesson 3



requirement analyse?

...e.g. planned learning scenarios:

Institutional cooperation?

...online degree courses in international associations, national or regional coops, online modules for several disciplines, individual units for one lecture...

Degree of virtualisation?

...classroom lecture with netbased distribution of scripts, blended learning with tele-tutoring...

To reach
■ your aim
you have to ignore
your aim

Lesson 2

Lesson 3

_esson 4



requirement analyse?

...e.g.individual teaching concepts:

Ideals of education theory:

"Sachanalyse, didaktische Analyse, methodische Analyse" determine choice and design of means and media.

but:

everyday pedagogical practice:

available (or just not available) media have an affect on designing instruction.

To reach
■your aim
you have to ignore
your aim

Lesson 2

Lesson 3



requirement analyse?

...e.g.technological alternatives:

ca. 120 systems

ca. 300 criteria (in many cases contradictictory)

many individual experiences

few comprehensive expertises

To reach
■ your aim
you have to ignor
your aim

Lesson 2

Lesson 3



organizational conditions and deadlines: ILIAS!

low cost:

- installation and maintenance ist possible with little staff

high flexibility:

- open source. fast adaptations to individual needs are possible
- independence of commercial providers and of long-term expensive licenses allows alternating the systems, if necessary
- high autonomy in administration of groups and rights
- open for many types of e-learning-scenarios.
 low technical requirements for the users technical equipment.

To reach ■your aim you have to ignor your aim

Lesson 2

Lesson 3



esson 1

To discover new sites you need new paths

Lesson 3



AULIS

Augmented Learning in Internet-based Systems

- 1. portal for content
- 2. virtual place for new learning scenarios
- 3. educational program

esson 1

To discover new sites you need new paths

.

Lesson 3

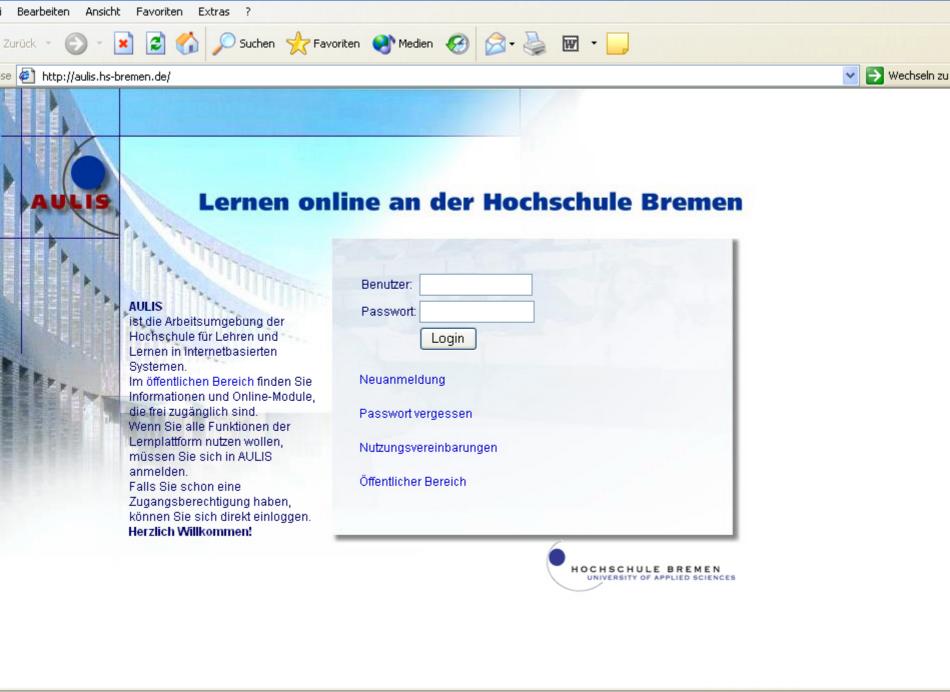
Lesson 3

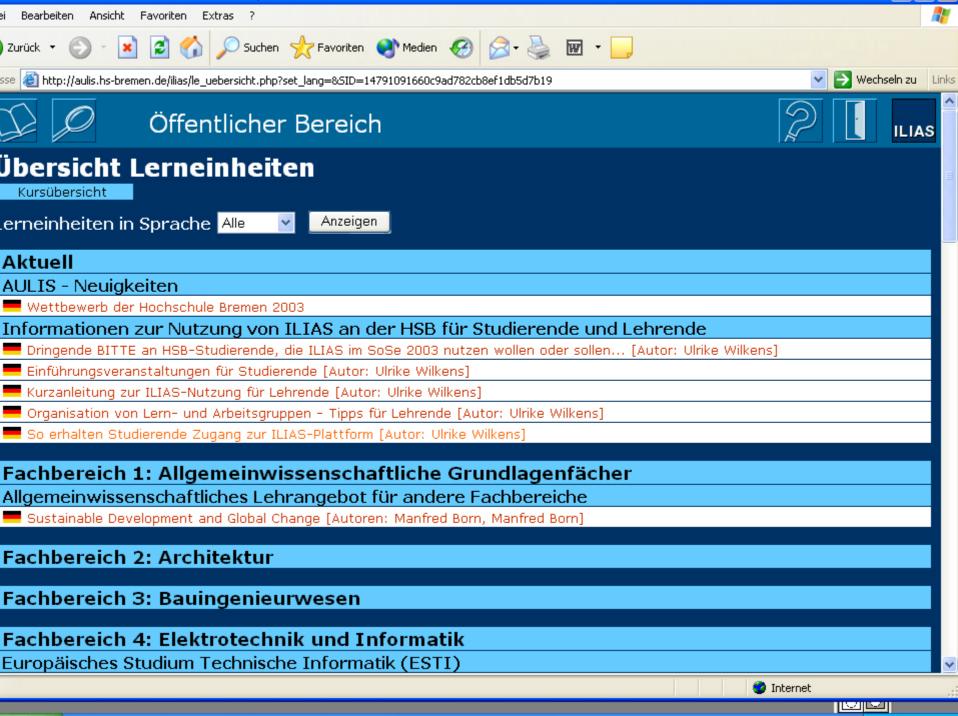
esson 4

ILIAS

Integriertes Lern-, Informations- und Arbeitskooperations-System







esson 1

esson 2

To tread new paths you have to change your walk



teaching situation:

to teach:

180 professors

70 external lecturers...

teachers:

1 computer scientist / teacher

1 technician

time:

3 month (in winter semester)

needed: high efficiency!

esson 1

To tread new paths you have to change

your walk

_esson 4



learning situation:

heterogeneous experiences in using computers and using new media in the classroom needed: individual care

learning time takes place during the semester = problems of timing

needed: flexibility in time planning

professors reside at four locations in Bremen; external teachers are only now and then in the university...

needed: flexible choice of learning place

To tread new paths you have to change your walk



blended learning!

1 classroom seminar: Introduction and first social contact (2 h)

1 course in the PC-Lab: hands on the platform! (optional, 2 h)

4 weeks distance learning plus tele-tutoring (10 – 12 h)

1 classroom seminar: evaluation (2 h)

7 courses: open offer - and for free

To tread new paths you have to change your walk



...we counted:

- 69 interested teachers
- 58 registrations
- 49 participants in the first classroom session
- 24 participants at the end of the course

...we got to know:

5: illness

13: time problems

12 : wanted only first orientation

4: no statement

22 wanted to use AULIS in SuSe03 = 12%

To tread new paths you have to change your walk



...they needed:

orientation modules

support on demand

supporting networks at the HSB

autonomy in organizing courses

esson Z

To tread new paths
you have to change your walk

blended learning was a compromise!



esson 1

esson 2

esson 3



...we counted in ILIAS:

```
325 working groups founded since starting ILIAS in Nov. 02
   414 in September
231 groups were active in May 2003
   277 in September
116 authors (i.e. teachers at the HSB) have asked for an
   account (46% of teaching staff)
   145 (1. October)
179 course units have been created
   251 (1. October)
7684 learners (students of the HSB and guests) are
   registered
   8170 (1. October)
                       780 active users
1 GB of data has been loaded up to the server
   2 GB (1. October)
Ca. 3 new accounts per day. (during SuSe 03)
30 to 50 (changing) users are online on average
```

+ teachers and students of all 9 departments are using ILIAS.



... teachers reported about using AULIS:

about using AULIS as medium to deliver material for three courses in Dept.9 Business,

about using discussion forums – as medium and object-matter in the degree course Social Education & Social Work (online-seminar)

about converting existing digital material into web-modules and using the ILIAS self-testing-tools in a course on accountancy

about experiences and problems while migrating from familiar cooperating system to AULIS, linking existing sites to new learning units in the International Degree Course Computer Science for Women

about organizing learning groups and members for the classes of School of International Business (...)

...everyday practice !!!



... little awards for good ideas:

25000 Euro for 10 best ideas and concepts

2500 Euro to each winner for student assistants, supporting the implementation

10 lecturers experimenting at a high level: e.g.

- Module in Computer Science: certified software testing across three universities
- Master Degree Course Aerospace Technology for pilots (postgradual, in cooperation with LTU)



From

aulis.hs-bremen.de

to ILIAS 3

or:

Will campus wide e-learning development be slowed down by changing the technical infrastructure?



aulis.hs-bremen.de

thank you.

