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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 student  
180 professors  
70 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

Lesson 4

# Lesson 1

To reach  
your aim  
you have to ignore  
your aim

Lesson 2

Lesson 3

Lesson 4



# Lesson 1

## 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  
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Lesson 2

Lesson 3

Lesson 4



# Lesson 1

## 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

Lesson 4

# Lesson 1

## requirement analyse?

...e.g. technological alternatives:

ca. 120 systems

ca. 300 criteria  
(in many cases contradictory)

many individual experiences

few comprehensive expertises

To reach  
your aim  
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Lesson 2

Lesson 3

Lesson 4

# Lesson 1

## organizational conditions and deadlines: ILIAS !

low cost:

- public domain
- 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 ignore  
your aim

Lesson 2

Lesson 3

Lesson 4

# Lesson 2

Lesson 1

**To discover  
new sites  
you need  
new paths**

Lesson 3

Lesson 4



# Lesson 2

## AULIS

Augmented **Learning** in  
Internet-based Systems

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

## ILIAS

Integriertes Lern-, Informations- und  
Arbeitskooperations-**System**

Lesson 1

**To discover  
new sites  
you need  
new paths**

Lesson 3

Lesson 4



**AULIS**

## Lernen online an der Hochschule Bremen

### AULIS

ist die Arbeitsumgebung der Hochschule für Lehren und Lernen in Internetbasierten Systemen.

Im [öffentlichen Bereich](#) finden Sie Informationen und Online-Module, die frei zugänglich sind.

Wenn Sie alle Funktionen der Lernplattform nutzen wollen, müssen Sie sich in AULIS anmelden.

Falls Sie schon eine Zugangsberechtigung haben, können Sie sich direkt einloggen.

**Herzlich Willkommen!**

Benutzer:

Passwort:

Login

[Neuanmeldung](#)

[Passwort vergessen](#)

[Nutzungsvereinbarungen](#)

[Öffentlicher Bereich](#)



# Übersicht Lerneinheiten

Kursübersicht

Lerneinheiten in Sprache

## Aktuell

### AULIS - Neuigkeiten

[Wettbewerb der Hochschule Bremen 2003](#)

### Informationen zur Nutzung von ILIAS an der HSB für Studierende und Lehrende

[Dringende BITTE an HSB-Studierende, die ILIAS im SoSe 2003 nutzen wollen oder sollen... \[Autor: Ulrike Wilkens\]](#)

[Einführungsveranstaltungen für Studierende \[Autor: Ulrike Wilkens\]](#)

[Kurzanleitung zur ILIAS-Nutzung für Lehrende \[Autor: Ulrike Wilkens\]](#)

[Organisation von Lern- und Arbeitsgruppen - Tipps für Lehrende \[Autor: Ulrike Wilkens\]](#)

[So erhalten Studierende Zugang zur ILIAS-Plattform \[Autor: Ulrike Wilkens\]](#)

## Fachbereich 1: Allgemeinwissenschaftliche Grundlagenfächer

### Allgemeinwissenschaftliches Lehrangebot für andere Fachbereiche

[Sustainable Development and Global Change \[Autoren: Manfred Born, Manfred Born\]](#)

## Fachbereich 2: Architektur

## Fachbereich 3: Bauingenieurwesen

## Fachbereich 4: Elektrotechnik und Informatik

Europäisches Studium Technische Informatik (ESTI)

# Lesson 3

Lesson 1

Lesson 2

**To tread  
new paths  
you have to change  
your walk**

Lesson 4





# Lesson 3

## 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!**

Lesson 1

Lesson 2

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Lesson 4



# Lesson 3

## 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

Lesson 1

Lesson 2

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Lesson 4



# Lesson 3

## 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

Lesson 1

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Lesson 4

# Lesson 3

## ...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%**

Lesson 1

Lesson 2

Lesson 4

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# Lesson 3

**...they needed:**

orientation modules

support on demand

supporting networks at the HSB

autonomy in organizing courses

**blended learning was a compromise!**

Lesson 1

Lesson 2

**To tread  
new paths  
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Lesson 4



# Lesson 4

Lesson 1

Lesson 2

Lesson 3

**To achieve  
the optimum  
you have to start  
with compromises**



# Lesson 4

## ...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.**

# Lesson 4

## ... 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 !!!**

Lesson 1

Lesson 2

Lesson 3

**To achieve  
the optimum  
you have to start  
with compromises**





# Lesson 4

## ... 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)

Lesson 1

Lesson 2

Lesson 3

**To achieve  
the optimum  
you have to start  
with compromises**

**...future practice !!!**



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.**

