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.

Dr. Ulrike Wilkens
Hochschule Bremen
University of Applied Sciences
Yes, if you are successful...

...in all stages of the process.

Were we?

decision:
  Nov. 2001 – July 2002

implementation:

training:
  Nov 2002 - Jan. 2003

first experiences:
Yes, if you are successful...

...in all stages of the process.

decision:
Nov. 2001 – July 2002

implementation:

training:
Nov 2002 - Jan. 2003

first experiences:
Lesson 1

To reach your aim, you have to ignore your aim.

Dr. Ulrike Wilkens
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...
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.
Lesson 1

requirement analyse?

...e.g. technological alternatives:

ca. 120 systems

ca. 300 criteria
(in many cases contradictitory)

many individual experiences

few comprehensive expertises
organizational conditions and deadlines: ILIAS!

low cost:
- public domain
- installation and maintenance is 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

To discover new sites you need new paths

Dr. Ulrike Wilkens
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
Lernen online an der Hochschule Bremen

Benutzer: 
Passwort: 
Login

Neuanmeldung
Passwort vergessen
Nutzungsvereinbarungen
Öffentlicher Bereich
Übersicht Lerneinheiten

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]
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

To tread new paths you have to change your walk.

Dr. Ulrike Wilkens
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!

Dr. Ulrike Wilkens

m²c²
Hochschule Bremen
University of Applied Sciences
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 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

To tread new paths you have to change your walk
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 3

...they needed:

orientation modules

support on demand

supporting networks at the HSB

autonomy in organizing courses

blended learning was a compromise!
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 !!!

Dr. Ulrike Wilkens
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)

...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.