

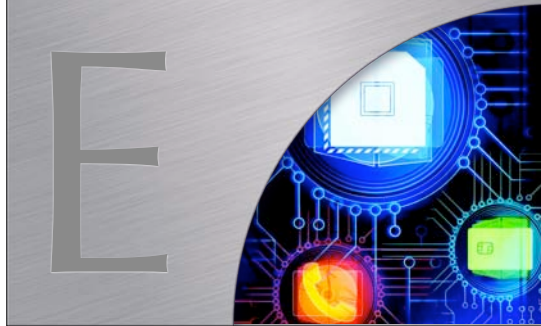
E- B- W- M- Learning

Erfahrungen und Perspektiven
der medial begleiteten Fortbildung
im Hochschulbereich

Michael A. Herzog
FHTW Berlin/TU Berlin

Itellium E-Learning Kongress • September 27th, 2006

ELECTRONIC



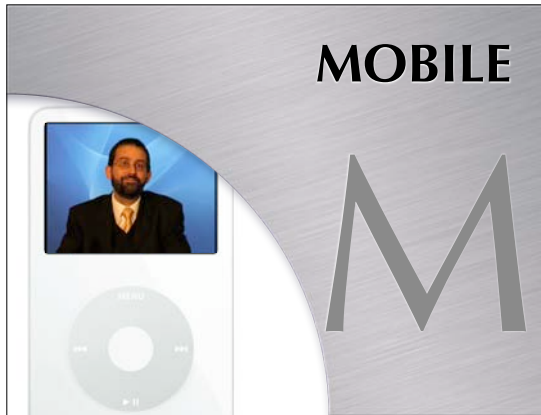
BLENDED



WIRELESS



MOBILE

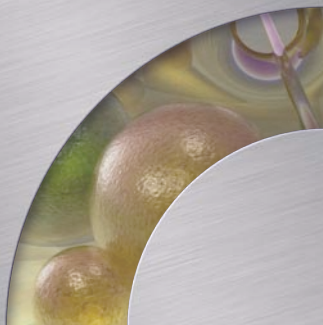


AGENDA

1. BACKGROUND
2. E-LEARNING @ VGU
3. BLENDED-LEARNING
4. LEARNING WIRELESS
5. MOBILE LEARNING

BACKGROUND

1

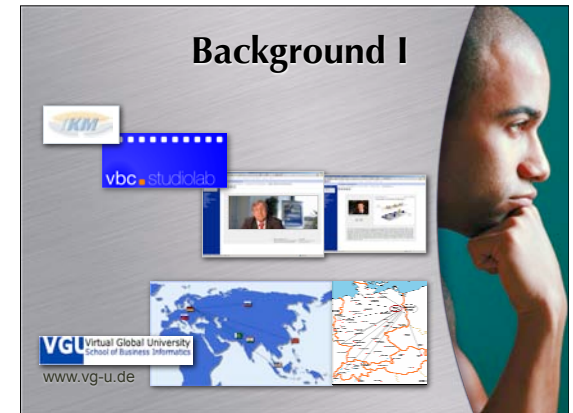


BACKGROUND

- Projektgruppe »vbc.studiolab«
Technische Universität + FHTW Berlin
- Forschung und Lehre in der
Wirtschafts- und Medieninformatik,
speziell Multimedia Content
Produktion und -Management
- Content-Entwicklung für
MBI-/CS-Kurse



Background I



Background II



<http://www.IKAROS-PROJEKT.de>



E-LEARNING @ VGU

2



Aktueller VGU-content



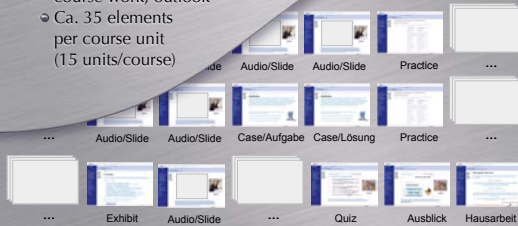
Example from course »Knowledge Management«

Komponentenbasierter Ansatz

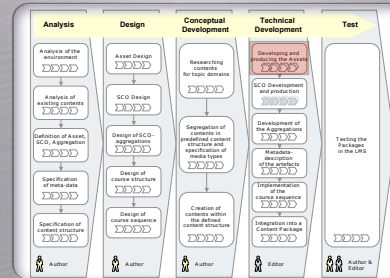
Inhalte:

- Welcome, presentations, practice, absorption, case studies, summaries, course work, outlook
- Ca. 35 elements per course unit (15 units/course)

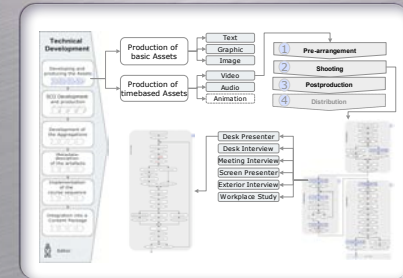
Σ 722 elements



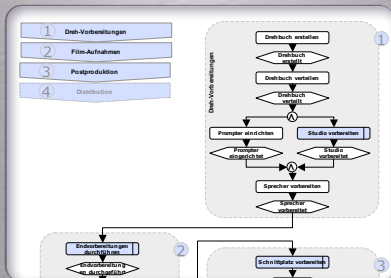
Pelo-Model Macro Layer



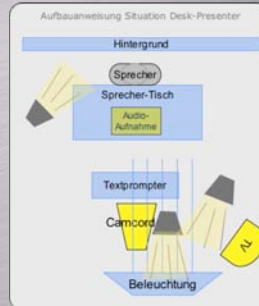
From Macro- to Micro-Layer



Pelo: Micro-Layer

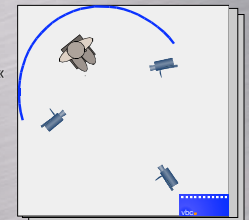


VIDEOPRODUKTION

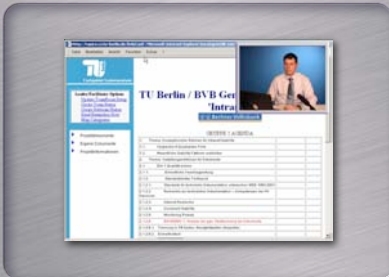


Standardisierte Drehsituationen

- »Desk-Interview«
- »Outdoor-Interview«
- »Meeting-Interview«
- »Working-Observation«
- »Technical demonstration«
- »Screen-Recording«

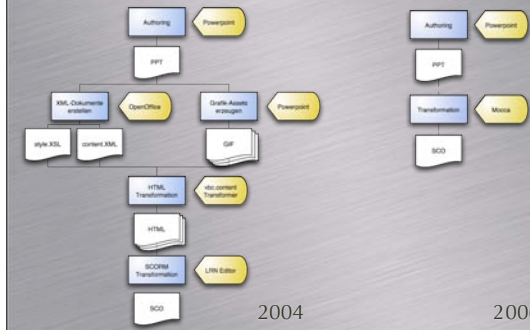


»Screen Recording«



Example: Software-Introduction »Teamroom«

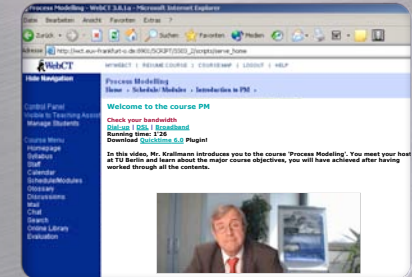
SCORM Produktionsprozess



2004

2006

Project vbc.studiolab



resulting course presentation

BLENDED LEARNING

3



Video Conferencing



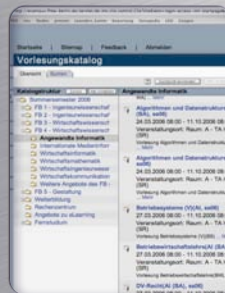
Fernlehre-Beispiel: Uni Linz – FHTW Berlin
<http://collabor.f4.fhtw-berlin.de>

Video Conferencing



Fernlehre-Beispiel: Videokonferenz-Tutorial

Learning Management



- ClixCampus (IMC)
- WebCT
- Blackboard
- Moodle (OpenSource)

LEARNING WIRELESS

4



Notebook University



- WLAN Infrastruktur flächendeckend
- Zugang mit persönlichen Notebooks, PDAs etc.
- Mobile Labore für die Ausbildung am Rechner
- Zugriff auf Online-Inhalte

Learning Wireless

- Online-Recherche
 - Wikipedia, Bibliotheken, Volltext-Journals
- Elektronischer Austausch
 - Foren, Blogs, Chat
- Kollaborative Dokumenterstellung
 - Mehrbenutzer-Texteditoren (SubEthaEdit)
- Interaktive Vorlesungen
 - WILD (Effelberg), ConcertStudeo (Wessner), ...

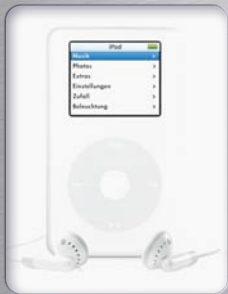


MOBILE LEARNING

5

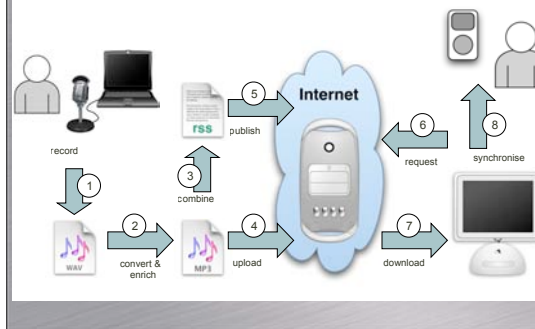


Offline & Mobil

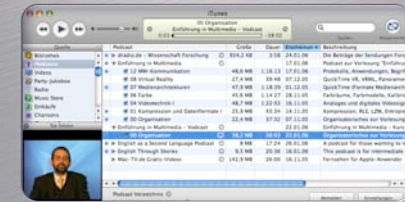


- RSS Podcast
- Newsfeed-Prinzip
- i.d.R. Audio-basierte Inhalte
- Ergänzung mit Bildinfo
- RSS Vodcast als videobasierter Kanal

Mobile Learning - Podcast Production



Mobile Learning - Podcast konsumieren



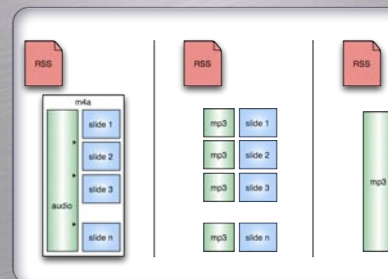
Ansicht eines RSS-Vodcast im Podcatcher iTunes

Learning on the go



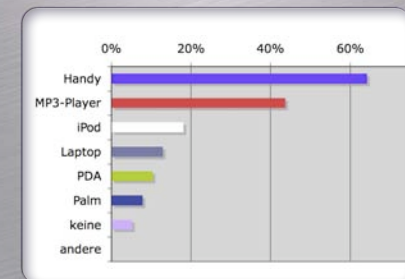
Podcast | Vodcast

Learning on the go



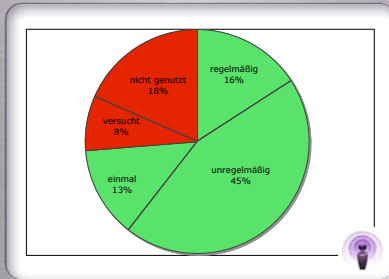
Podcast-Varianten

Learning on the go



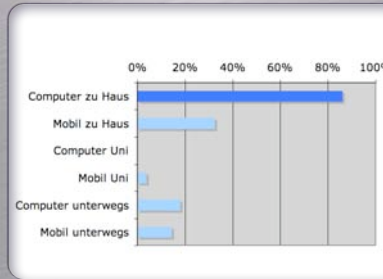
Nutzung mobiler Endgeräte

Learning on the go



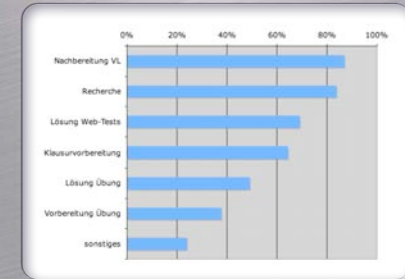
70% der Teilnehmer haben das Angebot genutzt.

Learning on the go



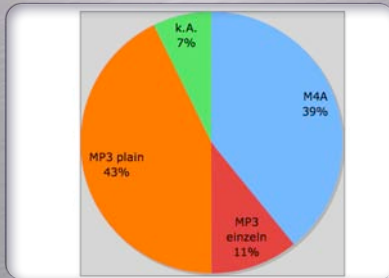
Ort der Rezeption

Learning on the go



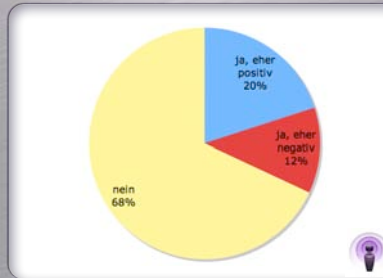
Zweck der Nutzung

Learning on the go



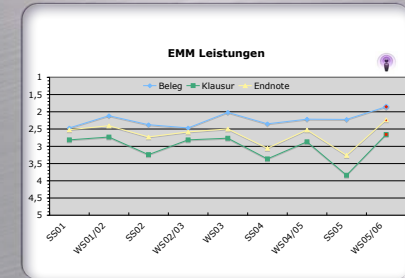
Podcast | Vodcast

Learning on the go

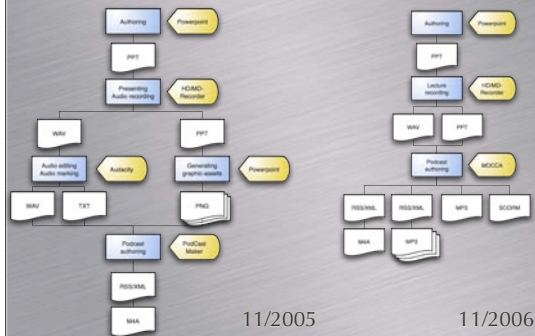


Hatte das Podcast-Angebot Einfluss auf Ihre Anwesenheit zu den Vorlesungen?

Learning on the go



Podcast Produktionsprozess



Medienproduktion Berlin 2006

Die Zukunft des integrierten Content Engineering

8.12.2006
Berlinische Galerie

- Information Lifecycle Management
- Content and Collaboration
- Content engineering and Information retrieval
- Best practice media production
- Broadcast
- Learning Media

fhtw. Alcatel SEL
Stiftung für
Kommunikations-
forschung




<http://inka.f4.fhtw-berlin.de/mp>

WCI 2006

13.10.2006 (Freitag), FHTW Berlin

- Innovative Anwendungen
 - Mobile City
 - Wireless Service Management
 - Mobile Tour Guide
 - Multimedia
- Mobile Technologien
 - Wimax Positionierung
 - WLAN-Sicherheit
 - Mobile Multimediadienste
 - Applikationen für Mobiltelefone

<http://inka.f4.fhtw-berlin.de/wci>



E-, B-, W-, M-Learning.
Erfahrungen und Perspektiven
der medial begleiteten Fortbildung
im Hochschulbereich

Vielen Dank für
Ihr Interesse!

<http://www.mherzog.com>