Site Visit
Swiss Virtual Campus
2001-11-08
Agenda

- Modules Overview
- Target Audience
- Didactic Complexity
- Resource Strategy
- Module Structure
- Module Development Process
- Technological Approach
- Contract Issues
- Schedule
- Human Resources
- Project Status
OPESS Modules

Strategic Planning

- Operations Management and Enterprise Performance
- Enterprise Networks and Relationship Management
- Design of Logistical Systems
- Enterprise and Process Modelling
- Mass Customization Strategies
- Logistics Analysis and Logistics Concepts
- The SCM-Concept

Operational Planning

- The MRP- and ERP-Concept
- Optimization and Simulation Methods in Operations Management
- Software-Systems for ERP and Supply Chain Management
- Demand Planning and Forecasting
- Customer Relationship Management
- Procurement
- Inventory Management
- Capacity Management
- Just-in-Time Concepts and Other Techniques of Production Control for Repetitive Production
- Concepts and Techniques of Production Control for Non-Repetitive Production
- Concepts and Techniques of Production Control for Process Industries

Control and Execution

- Optimization and Simulation Methods in Operations Control
- Order Release and Sequencing
- Kanban
- Control Units (Leitstand) and Data Collection

Distribution Planning and Distribution Systems
Target Audience

OPESS Partner Audience

Swiss Virtual Campus

UNI
- Bachelor level
- Master level
- Postgraduate level
- Corporate training

ETH
- Bachelor level
- Master level

UAS
- Bachelor level
- Master level
- Postgraduate level
- Corporate training
Learning Taxonomy

To Know
- Concepts
- Motivate

To Understand
- Model
- Quiz

To Apply
- Simulate
- Exercise

To Manage
- Search
- External Resources

Assess
OPESS as a Resource for e-Learning

Students  | E-Material | Teach & Coach Team |
---|---|---|

Development Teams
XML Documents
OPESS Document Base

E-course OPESS N°x
E-course OPESS N°y
Development Process for a Module

1. Choice of Pilot Module
2. List of Difficulties
3. Pedagogical Scenario
4. XML / LMML Document Production
5. Translation to HTML in WebCT
6. Tests with Student
7. Update
Technological Approach

- **Text**
  - Word docs.
  - PPT slides

- **Figures**
  - Figures

- **Animations**
  - Audio / Video
    - Flash or PPT animation
  - Interactive Flash animation
  - Java Applets

- **Interactive Elements**
  - Database of Embedded Elements

- **XML Documents according to LMML Standard**
  - HTML for WebCT
  - PDF for printing
  - Word doc. for customization
  - Figures refer to
    - Audio / Video
    - Flash or PPT animation
    - Interactive Flash animation
    - Java Applets
The Main Topic of the CRM-Part is:

Data is a burden, Information is an asset, and Knowledge is a Competitive Advantage!

The materials cover the following topics:

- CRM-Strategy

Authoring tools:

- XML Spy
- XMetaL

References: http://daisy.fmi.uni-passau.de/pakmas/lmml/
Contract Issues

- Draft by Uni Bern
- Discussed by OPESS partners
- Comments by legal advisers of ETHZ, EPFL, Uni Bern
- Revised (probably final) draft by Uni Bern
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Project Schedule

- **Task Name**
  - 1. OPESS
  - 2. Project meeting
  - 13. Project initialization
  - 14. Evaluation and selection multimedia components
  - 15. Project management structure defined
  - 16. Syllabus development
  - 20. Development of prototype modules
  - 33. Delivery of first set of content
  - 34. Test of protomodule with students
  - 40. 2nd set of modules
  - 52. Delivery of 2nd set of content
  - 53. Test of 2nd set of modules
  - 59. 3rd set of modules
  - 74. Delivery of 3rd set of content
  - 75. Test of 3rd set of modules
  - 81. Experience sharing
  - 82. Review and maintenance
  - 86. Final report edition
  - 87. Final report delivery

**Timeline:**

- 24 Sep '01
- 11 Jan '02
- 19 Jul '02
- 03 Mar '03
- 01 Jan '04
Project Team

- **University of Bern:**
  - OPESS financed: C. Montandon
  - Virtual Money: G. Knolmayer, T. Myrach, M. Röthlin, K. Walser, Team of junior assistants

- **ETH Zurich:**
  - OPESS financed: R. Cruz, J. Nienhaus
  - Virtual Money: P. Schönsleben, Team of assistants and junior assistants

- **EPF Lausanne:**
  - OPESS-financed: J.-M. Fürbringer
  - Virtual Money: R. Glardon, F.L. Perret, C. Hachen, S. Meunier, Team of junior assistants

- **UAS:**
  - IPLnet / FH Aargau: W. Lüthy
Project Status 2001-11-08

- Technical approach agreed on
- Pedagogical approach to be agreed on
- Pilot modules started
  - Uni Bern: Order Release and Sequencing
  - ETHZ: The Just-in-Time Concept
  - EPFL: Inventory Management
- First results