Adressing the changing training demand in IT

Dr. Ph. Dugerdil, MBA
Professor
HEG, University of Applied Sciences, Geneva

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The business forces as we perceive them..

- Cost/quality ratio
- Design of IT solutions
- Complexity
- Packages & components
- Outsourcing / Offshoring
Complexity keeps IT engineers from building systems by intuition…
Information systems are industrial products

IT should contribute to the added value of the enterprise.

The mere building of some IT solution is not enough

IT engineers must provide an optimum solution to the business.

• Understand the business
• Know the costs
• “Orchestrate” the building of a solution

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Implementing a new curriculum (3rd BS year)
Started: Oct. 2005

1. Managing the software life cycle
   - System specification
   - Contract management & SLAs
   - Project management and software development processes

2. Managing quality
   - Quality assurance & certification
   - System testing and system quality assessment

3. Managing complexity and security
   - IT security policies and security management
   - Software architecture

4. IT in the business context
   - Business process modeling
   - Packaged systems implementation
   - Datamining and decision support systems
Student feedback

• First remark:
  – They are aware of the changing employment landscape
    • Job advertisements / talks with friends in industry

• Very good reception of the new courses
  – They are happy to see things moving in our institution

• Strong interest for the new topics
  – They feel that this training brings them closer to the real world
Industry feed-back (personal contacts)

- The initiative is welcome
  - Satisfaction to see things moving in the academic world

- Some big institutions went through the same thinking for their internal training
  - We are well aligned with today’s business needs

- The new student profile matches a growing demand
Going beyond: graduate studies.

**MBA in Security Management**

- Join initiative between HEG and University Aix-Marseille (France)
- Topics
  - Methodology & norms
  - Network security
  - Data security
  - Application security
  - Security audits
  - Risk management
  - Legal aspects
  - Disaster recovery
- Starting: January 2007
Thank you

philippe.dugerdil@hesge.ch

www.hesge.ch/heg