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Why universities must change: the challenge of technology

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Constructivist:

- observe, compare, question, reflect, discuss, assimilate, e.g. heat
- · reflective, social and personal
- questions, problems, discussion, argument: learners more equal
- quality of argument/thinking assessed

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New technologies: 2005 -

user-created content: blogs, YouTube social networking: MySpace mobile learning: phones, MP3s virtual worlds: Second Life emerging publication: wikis, e-Portfolios multi-player games: Lord of the Rings simulations: MyPhysicsLab.com synchronous: Skype, Elluminate

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The importance of academic departments in change and innovation
Two typical approaches to change:
top down: Vice-chancellors or governments decide a strategy then try to implement it
universities like graveyards; autonomy of the faculty member
bottom up: early adopters; Lone Rangers



The importance of the academic department/faculties

Academic departments/faculties determine programs and curriculum Bridge between autonomy of faculty and institutional objectives Place where consensus can be built Academic faculties/departments determine the success of elearning

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Planning goal for academic faculties/departments

Academic faculties/departments:

Each program will develop a vision and plan for teaching and learning, including the appropriate use of e-learning

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The basic elements of a plan (overview)

- mandate/responsibility/deadline
- planning process (committee?)
- current situation (SWOT analysis)
- · agreement on definition
- rationale for e-learning
- core values and principles
- vision of teaching with technology
- academic plan

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The basic elements of a plan
(overview) cont.• faculty needs (training, time)• support needs (design, library)• student needs• technology needs• technology needs• content management• budget implications• implementation• evaluation/monitoring



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Further information Bates, A.W. (2005) Technology, e-Learning and Distance Education London: Routledge OECD (2005) E-learning in Tertiary Education Paris: OECD

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Bates, A. & Poole, G. (2003) Effective Teaching with Technology in Higher Education San Francisco: John Wiley

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