E-Learning

Technology Applications Related to Course Support

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Abstract

This short guide provides examples of key technologies one may apply to their everyday practice of teaching and learning. Each area within teaching and learning is addressed and examples of potential applications that may aid and assist are provided.

Major Educational Use and Examples of Technology Applications

Publication and information dissemination

Word processing, HTML editors, web sites and browsers, web databases, FTP tools, cross application format retention (PDF), podcasts, blogs and wikis.

Communication

Email, computer conferencing tools, text chat tools, discussion boards, voice and video conferencing.

Collaboration

Shared workspaces, application sharing software, shared web space, workflow tools, collaborative document creation, IP or multicast video conferencing.

Information and Resource Handling

CD/DVD with resource materials, web based search engines, distributed and localised databases, repositories, multimedia tools for distribution e.g. video and audio streaming, podcasts, Flash Video etc.
Specific to teaching and learning

Stand alone or web based software for tutorials, workshops, simulations, interactive quizzes, CAA (Computer Aided Assessment), demonstrations etc. video capture tools for lecture/presentation/case study capture, video conferencing, web based support materials.

Course integration

Web based course management systems – Virtual Learning Environments (VLEs), Course Management Systems (CMS), Social Network sites (SNs) etc.

Based on Collis 2001 (Collis & Moonen, 2001)