

Innovative Instructional & Learning Design for the Web

Emerging concepts in e-learning

Benefits

- Provides a new delivery medium
 - Enhances current DE systems
 - Offers a new teaching and learning paradigm
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Remember ...

- The integration of technology in the process needs to be seen as a means to improve the teaching and learning practices and NOT simply as a new delivery medium
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E-learning generations

Technology-driven

- (MOOs <http://en.wikipedia.org/wiki/MOO>, e-learning platforms etc)

Content-driven

- focused on the content being delivered (as paid service)

Process-driven

- focused on sustaining innovative educational processes that guide the students in the learning processes (socio-constructivist contexts)
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Successful learning ...

A three-phased triad

- Knowledge Acquisition phase
 - Knowledge Application Phase
 - Knowledge Construction through Sharing and Reflexive Practice
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Learning is re-conceptualized

- It is an activity framework governed by the following rules.

Rules

Self-Reliance

- Use resources available locally. E.g. the local resources

Empowerment

- Enable subjects to react immediately to changing circumstances by having access to decision-making.
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Rules (cont'd)

Interdependence

- Obtain resources elsewhere in order to act, to share [human] resources using Internet, and peer-networks.

Asynchrony

- Operate as quickly as possible, given local circumstances.
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Rules (cont'd)

Reflexivity

- Enable critical thinking and creativity to continuously improve current practices.

Commitment:

- Regulate social interaction, reciprocity and collaboration for knowledge construction and sharing.
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Instructional Design and E-Learning Environments

Three key inter-dependent components

- ❑ Pedagogy
 - ❑ Technology
 - ❑ Usability
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E-learning courseware development team

Content-Expert

Instructional Designer

- normally the team leader for the project

Web Communication Designer

- conceptual Design of e-learning environment

Web and Multimedia Developer

- technical implementation

Computer/system Administrator (optional)

Computer-Aided Instructional Design

- A number of software tools have been developed to help instructional designers improve productivity in their work.
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ICT related tools

- ❑ Mind maps software
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 - ❑ Knowledge modeling tools
 - ❑ Courseware Authoring: The eXe software tool
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