Learning Management Systems

Making simulation based education accessible and documentable

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Objectives

The participant will be able to:

• 1. Understand what a learning management program is

• 2. Discuss the differences between various learning management programs

• 3. Know the possibilities for technology to enhance feedback available at WV STEPS
How do we document learning

• Traditional Teaching Methods
  – Lecture, Tutorial, PBL, Ward rounding

• Simulation based educational methods
  – Task Training
    • Suturing
    • GI Endoscopy
  – Manikin (Performance Training)
Learning Management System (LMS)

- Software application for education programs
  - Administration
  - Documentation
  - Tracking
  - Reporting of training programs, classroom and online events, e-learning programs and training content

<http://en.wikipedia.org/wiki/Learning_management_system>
LMS

- Blackboard
- eCampus
- LearningSpace
- BeeLine
- EMS
- CAE Link
- Compliant (SCORM)
- Video Capabilities
Learning Management System (LMS)

- centralize and automate administration
- use self-service and self-guided services
- assemble and deliver learning content rapidly
- consolidate training initiatives on a scalable web-based platform
- support portability and standards
- personalize content and enable knowledge reuse.

<http://en.wikipedia.org/wiki/Learning_management_system>
Learning content management system (LCMS)

• focused on the development, management and publishing of the content that will typically be delivered via an LMS

• LMS cannot create and manipulate courses; it cannot reuse the content of one course to build another

• LCMS, however, can create, manage and deliver not only training modules but also manage and edit all the individual pieces that make up a catalog of training

http://en.wikipedia.org/wiki/Learning_management_system
Sharable Content Object Reference Model (SCORM)

- A testing initiative was started in 1996. In December 2003, the US Department of Defense mandated that all its e-learning purchases must comply with SCORM standards. By May 2010, ADL had validated 301 SCORM-certified products [2] while 329 products were compliant.

<http://en.wikipedia.org/wiki/SCORM>
LearningSpace

• Examples
  – Task training
    • Starting an IV
  – Performance Training
    • Manikin
      – Evaluation techniques
    • Standardized Patient
      – Evaluation techniques