

Web-based Learning

Introduction

Web-based Learning - Overview

- ◆ Web-based learning, a major subcomponents of the broader term “e-Learning”, is one of the tools with which education is delivered.
- ◆ Web-based learning is essentially "distance education". Technology used can include satellite broadcast, two way videoconferencing, videotape and CD-ROMs. There is a lot of self study involved but also a structured plan.

Added Value of Web-based Learning

- ◆ Every new educational technology promises to be intrinsically motivating, and the Web is no exception. The Web will motivate learners automatically, simply because of the integration of music, voice, graphics, text, animation, video, and a user-friendly interface.
- ◆ Efficient and effective access of digital materials that open up opportunities for both interdisciplinary and vertical study, e.g. Hyper link

Added Value of Web-based Learning

- ◆ Network-based environments offer various ways to illustrate teaching materials by simulation, modeling and visualization.
- ◆ Collaborative web-based learning tools, like tools for student collaborative inquiry, problem-based learning, articulation and dialogue, debate and personal reflection, offer various ways for learners, instructors, and experts to interact.

Sites of Web-based Learning

- ◆ <http://www.lewis-clark.org/>
- ◆ <http://www.tcrconnections.com/cfk.html>
- ◆ <http://www.testu.com/frameset.asp>

Authoring Tools – HTML Code

- ◆ HTML stands for Hyper Text Markup Language.
- ◆ HTML consists of a series of short codes typed into a text file. The text is then saved as a html file, and viewed through a browser.
- ◆ The browser interprets the html code and displays the content of the page on the window. There are many different types of browsers, Internet Explorer 6.0, Netscape Navigator 7, Opera, FireFox etc..

Authoring Tools – Dreamweaver

- ◆ Dreamweaver is a WYSIWYG web authoring program provides an effective interface for quickly creating high quality web pages.
- ◆ It is produced by Macromedia, one of the market leaders in web design software.
- ◆ Trial version :
<http://www.macromedia.com/software/dreamweaver/>



Authoring Tools – Dreamweaver UltraDev

- ◆ UltraDev is a Macromedia product used to develop dynamic web sites and interactive web applications.
- ◆ UltraDev uses server behaviors to customize the output and appearance of dynamic content. With UltraDev you can create a search application and display record details.



Authoring Tools – Dreamweaver CourseBuilder

- ◆ CourseBuilder for Dreamweaver is a tool dedicated for web-based learning web pages design.
- ◆ It lets users to define a complete web-based learning interaction without plug-ins or applets.
- ◆ The interactions includes multiple choice, drag and drop, explore, text entry etc..

Authoring Tools – Flash

- ◆ Flash is another Macromedia technology that allows animations, interactive forms, games etc. to be embedded in web pages.
- ◆ It is a multimedia graphic programs specially for use on the web that enables user to create interactive movies on the web.
- ◆ Trial version :
<http://www.macromedia.com/software/flash/>

