

**Course Number & Name:** LIS 460 - Technology and the School Library Media Center

**Description:** This course will prepare the library media specialist for integrating emerging technologies successfully within the work environment. Topics will include resources for curriculum development, such as multimedia programs, web pages as instructional tools, use and evaluation of the Internet and other online services, emerging technologies used in schools, as well as automated library systems. While primarily a survey course of technologies, there will be an opportunity for hands-on learning, and for discussion of issues arising from technology implementation. The teaching role of the library media specialist as an active resource person and a leader in technology implementation, will be emphasized throughout the course.

- **Prerequisites:** LIS 407 and TOR
- **Audience (level, environment/setting):** Primarily those in the K-12 School Library Certification Program and Public or International Librarians who want to learn what is being taught in schools using technology.
- **Student Learning Outcomes [by number]:** 1 - 10
- **Topics/List of Lectures:**
  - Eric, gateway sites, subject directories
  - Teaching search engines, web evaluation, effective presentations, PowerPoint
  - Learning theories, Constructivism/technology connection, graphic organizers, concept mapping, intro to Web Editors: Composer, FrontPage
  - HTML, Dreamweaver, Webquests
  - Web page development, Inspiration Concept mapping software
  - Information literacy curriculum, assessment/rubrics, electronic plagiarism
  - Digital images, scanning, Adobe Photoshop, digital copyright/fair use
  - Automation standards, metadata, SIF (School Interoperability Format), spreadsheets, database construction
  - Networks, network security, wireless, thing client, tech planning, funding, e-rate, staff development
  - Periodical databases, assistive adaptive technology, multimedia (plug-in, streaming media, on-demand, video, etc.), Flash
  - Library automation vendors, emerging technologies in use in schools (handhelds, tablets, storage devices, Mozilla)
  - Electronic portfolio development, media literacy, video delivery
  - Digital Video (DV), iMovie
  - Equity issues, digital divide, current awareness

- **Suggested Textbooks/Readings**

- **Required**

- Roblyer, M. D. 2004 *Update: Integrating Educational Technology into Teaching*. 3<sup>rd</sup>. ed. Upper Saddle River, NJ: Merrill Prentice Hall, 2004. **Companion website** located at <http://prenhall.com/roblyer>.
    - Jonassen, David H. and Howland, Jane. *Learning to Solve Problems with Technology: A Constructivist Perspective*. Upper Saddle River, NJ: Merrill Prentice Hall, 2003.

- **Recommended**

- Jonassen, David H. and Howland, Jane. Computers as Mindtools for Schools. Merrill Prentice Hall. Upper Saddle River, NJ. 2000.
    - We will use also use as a text some Web links from Pam Berger's site located at <http://infosearcher.com/>. **Note: In the reading assignments outlined in the Course Overview and Objectives for the course, this web site is referred to as Berger.** There is an accompanying book on closed reserve for this course by Pam Berger, *Internet for Active Learners*. There is no required reading, but the book brings an enthusiastic voice to our cybrarian role and good tips on library web pages not on website.
    - We also examine many websites and read a selection of recent articles which reflect updated information on the topics covered in the course. These articles change at least every year, and new articles are added and dropped each semester.

- **Course History:**

- March 2005: discussed at curriculum retreat

- **Document prepared by:** Beverly Shinn (adjunct), 2/05