

Course Number & Name: LIS 448 - Preservation Technologies

Description: This course in preservation management deals with the understanding of the various technologies available to assist in the preservation of information resources. It explores the benefits and problems of the various technologies and provides a solid basis for a library or archive to select one or more of the technologies as part of a preservation plan for its general collections. The topics include paper splitting; mass deacidification; reformatting technologies such as microfilming, preservation facsimile copying, photoduplication, and digitization; digitization of text, image, audio and video; digital repositories; environmental controls; and fire suppression and detection.

- **Prerequisites:** None
- **Audience (level, environment/setting):** Introductory; Academic, Archives, Public, Technical Services
- **Student Learning Outcomes** [by number]: 1, 4, 6, 7, 10
- **Topics/List of Lectures:**
 - Overview of the causes and treatment for deterioration in paper based collections
 - Development of strategies for dealing with the preservation problems using technology
 - Deacidification
 - Reformatting technologies: microfilming, preservation facsimiles, digitization
 - Digitization: text, image, audio and video
 - Digital repositories
 - Managing digital projects
 - Environmental controls
 - Fire suppression and detection
- **Suggested Textbooks/Readings**
 - *Preservation of Library & Archival Materials: A Manual*. 3rd edition, revised & expanded, edited by Sherelyn Ogden. Andover, Mass.: Northeast Document Conservation Center (NEDCC), 1999. [available online at <http://www.nedcc.org/plam3/manhome.htm>]
 - *Preservation Microfilming: A Guide for Librarians and Archivists* / edited by Lisa J. Fox for the Association of Research Libraries. Chicago, IL: American Library Association, 1996.

- Porck, Henk J. *Mass Deacidification: An Update on Possibilities and Limitations*. Washington, DC: Commission on Preservation and Access, 1996. [available online at <http://www.knaw.nl/ecpa/PUBL/PORCK.HTM>]
 - Smith, Abby. *Why Digitize?* Washington, DC: Council on Library & Information Resources, 1998. [available online at <http://www.clir.org/pubs/reports/pub80-smith/pub80.html>]
 - Kenney, Anne R. and Stephen Chapman. *Digital Imaging for Libraries*. Ithaca, NY: Department of Preservation and Conservation, Cornell University Library, 1996.
 - *Handbook for Digital Projects: A Management Tool for Preservation & Access* / Maxine K. Stitts, editor. Andover, MA: NEDCC, 2000. [available online at <http://www.nedcc.org/digital/dighome.htm>]
 - Gacy, Karen F. and Michele Valerie Cloonan. "The Preservation of Moving Images." *Advances in Librarianship*, 2003.
- **Course History:**
January 2005: discussed at curriculum retreat; move from two- (LIS 520S) to three-credits
 - **Document prepared by:** Pat Oyler, 1/05