



Progress Report

Virginia Tech
Digital Library Research Laboratory

August 11, 2006

Project Teams/NSF Grant

- Joint Project between CS (VT) and LIS (UNC-CH): Good Combination to Develop a DL Curriculum
- Virginia Tech (IIS-0535057):
 - Dr. Edward A. Fox (fox@vt.edu)
 - Seungwon Yang (seungwon@vt.edu)
- University of North Carolina, Chapel Hill (IIS-0535060):
 - Dr. Barbara Wildemuth (wildem@ils.unc.edu)
 - Dr. Jeffrey P. Pomerantz (pomerantz@unc.edu)
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Project Timeline

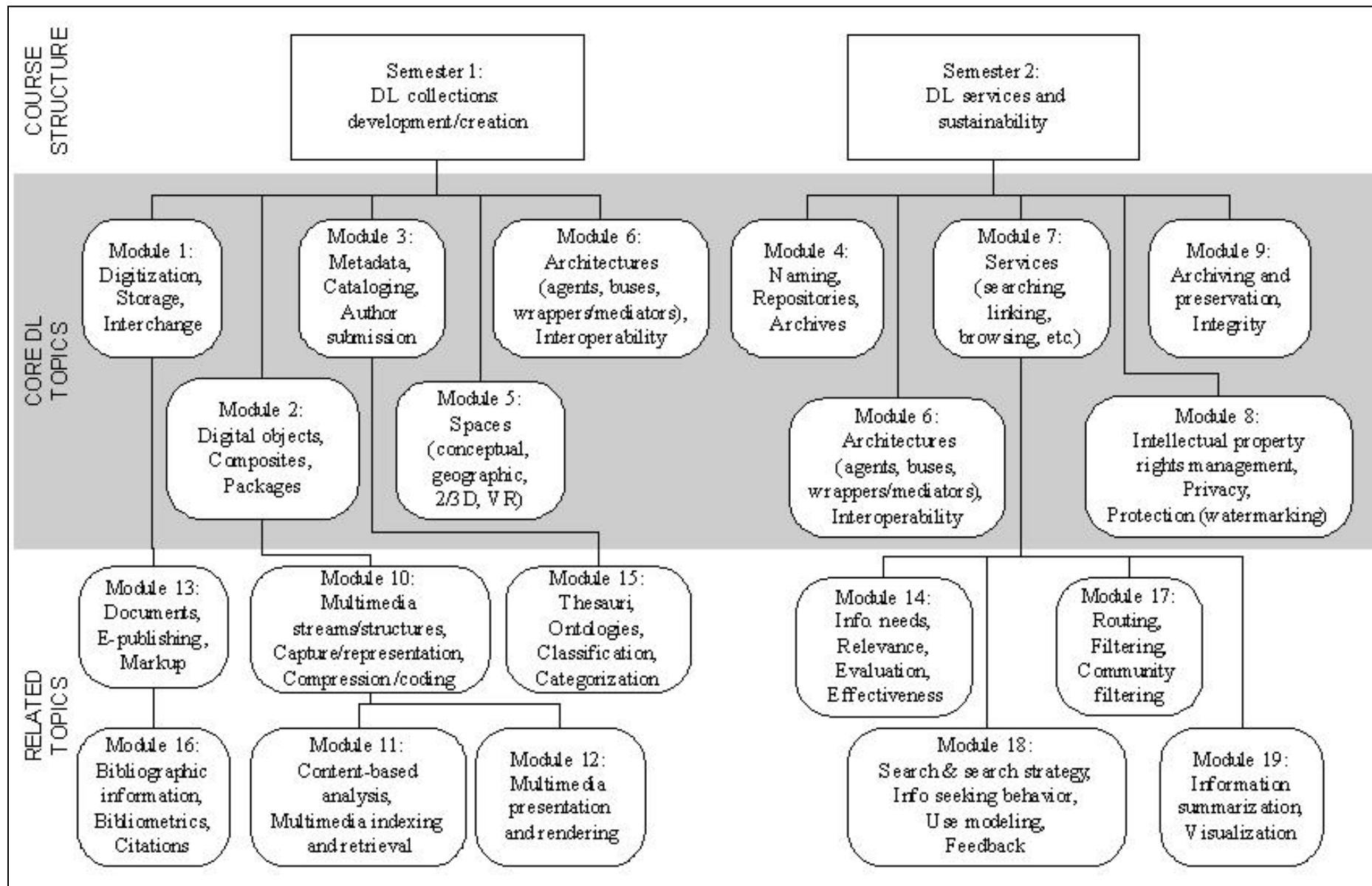
Table 6. Project Timeline

Activities	2006			2007			2008		
	Sp	Su	Fa	Sp	Su	Fa	Sp	Su	Fa
Creation of an advisory board									
Engagement of experts to assist with module development									
Development of modules									
Development of lessons within modules									
Development of 1- and 2-semester courses									
Preliminary evaluation of modules and lessons by experts									
Revision of modules and lessons									
Implementation of modules and lessons in existing courses									
Evaluation of modules and lessons in the field									
Offering of new courses at UNC & VT									
JCDL conference and Doctoral Consortium									
ECDL & SIGIR conferences									
ASIS&T conference									
ICADL conference									

Project Meetings

- Feb. 16-17, 2006
 - Discussion meeting at UNC-CH
- May 1, 2006
 - Advisory board meeting at VT
- June 14, 2006
 - Advisory board meeting at UNC-CH during the JCDL '06 Conference
- Discussion summaries
 - 'Project Progress Diary' link at <http://curric.dlib.vt.edu/wiki/>

Initial 19 DL Educational Modules



Current DL Module Set – 10 Core Modules

1. Overview
2. Collection Development
 - a. Digitization
 - b. Document and E-publishing Markup / Markup Languages (e.g., XML, SGML, etc.)
 - c. Harvesting
3. Digital objects
 - a. Text Resources (e.g. electronic journals)
 - b. Multimedia (e.g. audio, video, image objects)
 - c. File Formats, File Format Transformation
4. Information / Knowledge Organization
 - a. Metadata, Metadata Harvesting, Cataloging
 - b. Ontologies, Classification, Categorization
 - c. Vocabulary Control (e.g. thesauri, terminologies, etc.)
 - d. Bibliographic information, Bibliometrics, Citations, Webliographics
 - e. Indexing

Current DL Module Set – 10 Core Modules

5. Architecture (agents, buses, wrappers/mediators)
 - a. Interoperability
 - b. Sustainability
 - c. Interface Design, Usability Assessment
 - d. Search Engines & IR
 - e. Identifiers, handles, DOI, PURL
 - f. Info summarization, Visualization
 - g. Recommender systems
 - h. Applications and software (e.g. Greenstone, Fedora, JSTORE, DSpace, collaborative software, etc.)
 - i. Web-publishing (e.g. Wikimedia, blogging, podcasting, RSS, moodle, etc)
 - j. Security
6. Spaces (conceptual, geographic, 2/3D, VR)
 - a. Storage
 - b. Repositories, Archives

Current DL Module Set – 10 Core Modules

7. Services (searching, linking, browsing, annotating, etc.)
 - a. Info needs, Relevance, Evaluation, Effectiveness
 - b. Search & search strategy, Info seeking behavior, User modeling, Feedback
 - c. Reference Services
 - d. Routing, Filtering, Community filtering
 - e. Sharing, Networking, Interchange (e.g., social bookmarking, etc.)
8. Archiving and Preservation Integrity
9. Project Management
 - a. DL development for a specific domain
 - i. Children
 - ii. Scholarly communication
 - iii. Education, Distance Learning
 - b. DL project examples
 - c. DL Evaluation
 - d. Legal issues (e.g., Intellectual property rights management, Privacy, Protection (watermarking))
 - e. Cost / Economic issues
 - f. Social issues
 - g. Future DLs
10. DL Education & Research

Module Set Diagram, Template and Two Draft Modules

<http://curric.dlib.vt.edu/wiki/index.php/Modules>

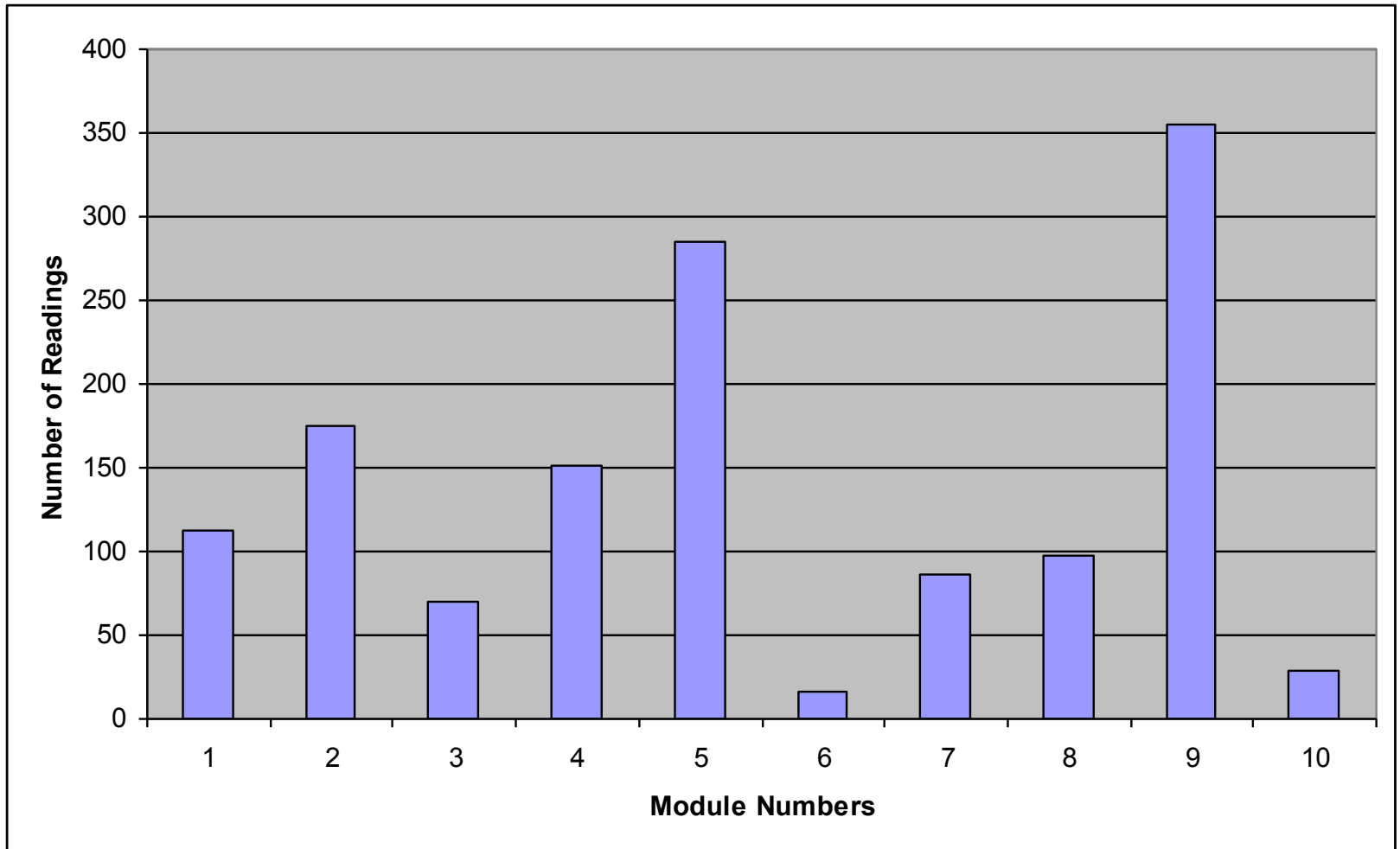
Syllabi Resource Analysis

- 56 American Library Association's (ALA) list of Accredited Master's Programs in LIS
- 41 DL-courses, but could collect 31 syllabi
- 26 DL-course syllabi reading lists analyzed

Number of readings	1333
Number of textbooks	43
Total	1376

Syllabi Resource Analysis

- 2. Collection Development
- 5. Architecture
- 9. Project Management



Publications

Journal

Pomerantz, J., Oh, S., Yang, S., Fox, E. A., Wildemuth, B. M. (submitted). The Core: Digital Library Education in Library and Information Science Programs, *D-Lib Magazine*. [Supplementary materials]

Conference papers

Wildemuth, B. M., McCain, K., Mostafa, J., & Pomerantz, J. (submitted). *Education for Digital Librarianship: Three Alternative (Competitive?) Approaches*. Panel presented at the 69th Annual Meeting of the American Society for Information Science and Technology, Austin, TX.

Pomerantz, J., Wildemuth, B., Fox, E. A., & Yang, S. (2006). Curriculum Development for Digital Libraries. In *Proceedings of the 6th ACM/IEEE-CS Joint Conference on Digital Libraries* (pp. 175-184). New York: Association for Computing Machinery. [[Paper in ACM DL](#) | [Powerpoint presentation](#) | [JCDL 2006 Conference site](#)]

Yang, S., Fox, E. A., Wildemuth, B., Pomerantz, J., & Oh, S. *Interdisciplinary Curriculum Development for Digital Library Education*. (Submitted to ICADL 2006, Kyoto Japan)

Questions ?

Thank you

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