



FRAMEWORK FOR A DIGITAL LIBRARY CURRICULUM¹

(2008/08/23)

CORE TOPICS

1	Overview	1-a (10-c): Conceptual frameworks, models, theories, definitions	1-b: History of digital libraries and library automation
2	Digital Objects	2-a: Text resources 2-b: Multimedia 2-b (1): Images	2-c (8-d): File formats, transformation, migration 3-c: Harvesting
3	Collection Development	3-a: Collection development/selection policies 3-b: Digitization	3-d: Document and e-publishing/presentation markup 3-e (7-e): Web (push) Publishing 3-f (7-f): Crawling
4	Info/ Knowledge Organization	4-a: Information architecture (e.g., hypertext, hypermedia) 4-b: Metadata 4-c: Ontologies, classification, categorization	4-d: Subject description, vocabulary control, thesauri, terminologies 4-e: Object description and organization for a specific domain
5	Architecture (agents, mediators)	5-a: Architecture overviews 5-b: Application software 5-c: Identifiers, handles, DOI, PURL	5-d: Protocols 5-e: Interoperability 5-f: Security
6	User Behavior/ Interactions	6-a: Info needs, relevance 6-b: Online info seeking behavior and search strategy	6-c: Sharing, networking, interchange (e.g., social) 6-d: Interaction design, usability assessment 6-e: Info summarization and visualization
7	Services	7-a: Indexing and searching 7-a (1): Image retrieval 7-b: Reference services 7-c: Recommender systems	7-d: Routing, community filtering 7-e (3-e): Web (push) Publishing 7-f (3-f): Crawling 7-g: Personalization
8	Preservation	8-a: Preservation 8-b: Web archiving	8-c :Sustainability 8-d (2-c): File formats, transformation, migration
9	Management and Evaluation	9-a: Project management 9-b: DL case studies 9-c: DL evaluation, user studies 9-d: Bibliometrics, Webometrics	9-e: Intellectual property 9-f: Cost/economic issues 9-g: Social issues
10	DL education and research	10-a: Future of DLs 10-b: Education for digital librarians	10-c (1-a): Conceptual framework, theories, definitions 10-d: DL research initiatives

¹ This project is funded by the National Science Foundation through grants NSF IIS-0535057 (to Virginia Tech) and IIS-0535060 (to University of North Carolina at Chapel Hill).