



The iSchool at the University of Missouri
School of Information Science & Learning Technologies

SCHEDULE
ISLT 9410 Metadata
Spring Semester 2014

N.B. The weekly course cycle starts on Saturday at 10 a.m. and ends on Friday at 10 p.m.

[Week 1: Jan. 21-25](#)

[Week 2: Jan. 25-31](#)

[Week 3: Feb. 3-8](#)

[Week 4: Feb. 10-15](#)

[Week 5: Feb. 17-22](#)

[Week 6: Feb. 24-Mar. 1](#)

[Week 7: Mar. 3-8](#)

[Week 8: Mar. 10-15](#)

[Week 9: Mar. 17-22](#)

[Week 10: Mar. 31-Apr. 5](#)

[Week 11: Apr. 7-12](#)

[Week 12: Apr. 14-19](#)

[Week 13: Apr. 21-26](#)

[Week 14: Apr. 28-May 3](#)

[Week 15: May 5-10](#)

Week	Topics	Reading to discuss in-class	Due
<i>Part I: Metadata Basics</i>			
Week 1: Jan. 21-25	Introduction to metadata concepts and practices; Purpose and function of metadata; Kinds of metadata and their roles in a variety of systems	<p><u>NO SYNCHRONOUS CLASS MEETING THIS WEEK!</u></p> <p><u>Watch the recorded lecture (in Blackboard under Week 1 Course Materials) after doing the following:</u></p> <p><u>Technical reading of our textbook:</u> look over TOC, preface, appendices, glossary, bibliography, and look up briefly Zeng and Qin.</p> <p><u>Required reading:</u> Zeng and Qin, Chapter 1 SKIM: Zeng and Qin, Chapter 2</p> <p>SKIM: Campbell, D. G. (2009). Metadata, metaphor, and metonymy. <i>Cataloging & Classification Quarterly</i>, 40(3-4): 57-73.</p> <p><u>Recommended:</u> [E-Reserves*] Miller, S. J. (2011). Chapter 1. Introduction to metadata for digital collections. <i>Metadata for digital collections: A</i></p>	<p>Provide metadata for yourself in the Student Introductions Discussion Board forum by the end of the week (Friday at 10 p.m.)</p> <p>Prepare readings for discussion next week. Post a reaction to both of the assigned readings and the recorded lecture in the appropriate Blackboard Discussion Board forum's threads.</p> <p>Prepare Quiz Chapter 1 for in-class discussion during Week 2: http://www.metadataetc.org/book-website/quiz/quiz1.htm</p> <p>Prepare Quiz Chapter 2 for in-class discussion during Week 2: http://www.metadataetc.org/book-website/quiz/quiz2.htm</p>

* <http://eres.missouri.edu/eres/coursepage.aspx?cid=3531>

		<i>how-to-do-it manual</i> (pp. 1-24). New York: Neal-Schuman Publishers.	
Week 2: Jan. 25-31	Preparing metadata for use in an electronic environment	<p>For January 27, 2014:</p> <p>Zeng and Qin, Chapter 3</p> <p>Heery, R., & Patel, M. (2000, September 23). Application profiles: Mixing and matching metadata schemas. <i>Ariadne</i> (25). Retrieved from http://www.ariadne.ac.uk/issue25/app-profiles</p> <p>Curado Malta, M., & Baptista, A. A. (2012). State of the art on methodologies for the development of a metadata application profile. <i>Communications in Computer and Information Science</i>. Retrieved from http://hdl.handle.net/1822/20490</p>	<p>Prepare Quiz Chapter 3 for in-class discussion this week: http://www.metadataetc.org/boook-website/quiz/quiz3.htm</p> <p>REVISIT FROM LAST WEEK Quiz Chapter 1 for in-class discussion during Week 2: http://www.metadataetc.org/boook-website/quiz/quiz1.htm</p> <p>Quiz Chapter 2 for in-class discussion: http://www.metadataetc.org/boook-website/quiz/quiz2.htm</p> <p>Repository software group presentation assignment (Assignment #1) given out</p>
Week 3: Feb. 1-7	Metadata creation and management	<p>For February 3, 2014:</p> <p>Zeng and Qin, Chapter 5</p> <p>Other readings as assigned.</p>	<p>Prepare Quiz Chapter 5 for in-class discussion: http://www.metadataetc.org/boook-website/quiz/quiz5.htm</p> <p>CONTENTdm assignment (Assignment #2) given out</p>
Week 4: Feb. 8-14	Dublin Core Element Set	<p>For February 10, 2014:</p> <p>Zeng and Qin, Chapter 4</p> <p>Dublin Core Metadata Initiative. http://dublincore.org/</p> <p>[E-Reserves*] Miller, S. J. (2011). Chapter 2. Introduction to resource description and Dublin Core. <i>Metadata for digital collections: A how-to-do-it manual</i> (pp. 25-58). New York: Neal-Schuman Publishers.</p> <p>REVISIT Zeng and Qin, Chapter 2</p> <p>Other readings as assigned.</p>	<p>Create two DC records based on Exercises 1.1-1.5; Comment on at least four of your classmates' records</p> <p>Prepare Quiz Chapter 4 for in-class discussion: http://www.metadataetc.org/boook-website/quiz/quiz4.htm</p> <p>Declaration of <i>choice</i>: Final Paper or Final Project; further discussion of possible paper topics</p>

* <http://eres.missouri.edu/eres/coursepage.aspx?cid=3531>.

Week 5: Feb. 15-21	Metadata records; Repositories	For February 17, 2014 REVISIT: Zeng and Qin, Chapter 5	Assignment #1: Presentation In-class group presentation of a repository software product
Week 6: Feb. 22-28	Controlled vocabularies; Subject access to intellectual content; The importance of standards	For February 24, 2014: [E-Reserves*] Abbas, J. (2010). Historical perspectives and development of structures of organizing knowledge. In <i>Structures for organizing knowledge: Exploring taxonomies, ontologies, and other schemas</i> . New York: Neal-Schuman. Library Linked Data Incubator Group. (2011, October 25). 4. Value vocabularies. In <i>Library Linked Data Incubator Group: Datasets, value vocabularies, and metadata element sets</i> . W3C Incubator Group. Retrieved from http://www.w3.org/2005/Incubator/ld/XGR-ld-vocabdataset-20111025/#Value_vocabularies Vellucci, S. L. (2000). Metadata and authority control. <i>Library Resources & Technical Services</i> , 44(1), 33-43.	Prepare Focus points (Abbas, 2010, p. 17) for in-class discussion
<i>Part II: Metadata Schema for Special Communities</i>			
Week 7: Mar. 1-7	XML basics	<u>NO SYNCHRONOUS CLASS MEETING THIS WEEK!</u> <u>Watch the recorded lecture (in Blackboard under Week 7 Course Materials)</u> ** Fawcett, J. Quin, L.R.E., & Ayers, D. (2012). Chapter 1: What is XML; Chapter 2: Well-Formed XML In <i>Beginning XML</i> . Wrox. Retrieved from http://proquest.safaribooksonline.com/9781118239483?uicode=missouric *REVISIT: Cole, T. W. & Han, M-J. K. (2013). XML: What is it? In <i>XML for</i>	Prepare "Try it out" sections of Fawcett, Quin, and Ayers for chapters 1 and 2. Download code from the publisher's website and try the exercises on your own: http://www.wrox.com/WileyCDA/WroxTitle/Beginning-XML-5th-Edition.productCd-1118162137_descCd-DOWNLOAD.html Submit the result of your tinkering. Post reflections on the readings and the lecture for the week's Participation grade. If you are particularly hardy, give

* on eReserves (password is in Blackboard!): <http://eres.missouri.edu/eres/coursepage.aspx?cid=3531>

** This resource is available through MU's Ellis library's subscription to the Safari ebook collection. PLEASE do not wait until the last minute to read these chapters due to the limited subscription MU Libraries has to this collection.

		<p><i>catalogers and metadata librarians.</i> (pp. 3-23). Santa Barbara: Libraries Unlimited.</p> <p>SKIM: Fawcett, J. Quin, L.R.E., & Ayers, D. (2012). Chapter 3: XML Namespaces. In <i>Beginning XML</i>. Wrox. Retrieved from http://proquest.safaribooksonline.com/9781118239483?uicode=missouric</p> <p>Other readings as assigned.</p>	<p>the exercises in chapter 3 a try!</p> <p>Assignment #2: CONTENTdm assignment due Friday, March 7, 2014 at midnight.</p> <p><i>Final Project proposals due:</i></p> <p>OPTION 1: Abstract for a paper fit for submission to Missouri Library Association (MLA) or a peer-reviewed journal</p> <p>OPTION 2 & 3: Statement of intent.</p>
Week 8: Mar. 8-14	Library metadata: MARC, MARCXML, MODS, MADS, BIBFRAME, RDA	<p>For March 10, 2014:</p> <p>REVISIT Zeng and Qin, Chapter 2</p> <p>*Cole, T. W. & Han, M-J. K. (2013). MARCXML: Library catalog records as structured data. In <i>XML for catalogers and metadata librarians.</i> (pp. 67-93). Santa Barbara: Libraries Unlimited.</p> <p>Kroeger, A. (2013). The road to BIBFRAME: The evolution of the idea of bibliographic transition into a post-MARC future. <i>Cataloging & Classification Quarterly</i>, 51(8), 873-890.</p>	<p>Prepare Exercises Chapter 2: MARC family for in-class discussion: http://www.metadataetc.org/boook-website/exercises/exercise2-1b.htm</p>
Week 9: Mar. 15-21	Archives metadata: EAD/EAC, DACS; TEI encoding using oXygen	<p>For March 17, 2014</p> <p>REVISIT Zeng and Qin, Chapter 2.</p> <p>Resources for teaching and learning text encoding. (n.d.). Women Writers Project. Brown University. Retrieved from http://www.wwp.brown.edu/outreach/resources.html</p>	<p>Prepare Exercises Chapter 2 EAD for in-class discussion: http://www.metadataetc.org/boook-website/exercises/exercise2-4.htm</p> <p>TEI encoding assignment (Assignment #3) given out</p>
Spring Recess: March 22-March 28, 2014			
Week 10: Mar. 29-Apr. 4	Science metadata; Electronic health record metadata; GIS metadata; Big data	<p>For March 31, 2014</p> <p>REVISIT Zeng and Qin, Chapter 2.</p> <p>Sweet, L. E. & Moulaison, H. L. (2013). Electronic health records metadata: Challenges for big data in the United States. <i>Big Data</i> 1(4): 245-251.</p>	<p>Topics at hand plus any necessary catch-up.</p>

		http://online.liebertpub.com/doi/pdfplus/10.1089/big.2013.0023 Other readings as assigned.	
Week 11: Apr. 5-11	Museum metadata: VRA, CCO, etc.; Publisher metadata: ONIX	For April 7, 2014 REVISIT Zeng and Qin, Chapter 2. ONIX. (2009). EDItEUR. Retrieved from http://www.editeur.org/8/ONIX	Prepare Exercises Chapter 2 CDWA, CDWA Lite and VRA Core for in-class discussion: http://www.metadataetc.org/book-website/exercises/exercise2-2a.htm and http://www.metadataetc.org/book-website/exercises/exercise2-2b.htm Assignment #3: TEI encoding assignment due Friday, April 11, 2014 at midnight.
<i>Part III: Metadata Within and Between Systems</i>			
Week 12: Apr. 12-18	Metadata services	For April 14, 2014 Zeng and Qin, chapter 6 *Cole, T. W. & Han, M-J. K. (2013). Interoperable XML: Namespaces, shareable metadata, and application profiles. In <i>XML for catalogers and metadata librarians</i> . (pp. 129-161). Santa Barbara: Libraries Unlimited. OAI-PMH: http://www.openarchives.org/pmh	Prepare Exercises Chapter 6 for in-class discussion: http://www.metadataetc.org/book-website/exercises/exercise6.htm OPTION 1: Annotated bibliography due April 17 at midnight.
Week 13: Apr. 19-25	Metadata quality; Preservation metadata	For April 21, 2014 Zeng and Qin, chapter 7 Conway, P. (2011). Archival quality and long-term preservation: a research framework for validating the usefulness of digital surrogates. <i>Archival Science</i> , 11(3-4), 293-309. Donaldson, D. R., & Yakel, E. (2013). Secondary adoption of technology standards: The case of PREMIS. <i>Archival Science</i> , 1-29. PREMIS Data Dictionary for Preservation Metadata. (2008,	Prepare Exercises Chapter 6 for in-class discussion: http://www.metadataetc.org/book-website/exercises/exercise7.htm

		March). Available online: http://www.loc.gov/standards/premis/v2/premis-2-0.pdf	
Week 14: Apr. 26- May 2	Metadata interoperability	For April 28, 2014 Zeng and Qin, chapter 8 Fawcett, J., Quin, L.R.E., & Ayers, D. (2012). XSLT. In <i>Beginning XML</i> . Wrox. Retrieved from: http://proquest.safaribooksonline.com/book/web-development/xml/9781118239483/part-iii-processing/toc50 Han, M. J., Cho, C., Cole, T. W., & Jackson, A. S. (2009). Metadata for special collections in CONTENTdm: How to improve interoperability of unique fields through OAI-PMH. <i>Journal of Library Metadata</i> , 9(3-4), 213-238. REVISIT: *Cole, T. W. & Han, M-J. K. (2013). Interoperable XML: Namespaces, shareable metadata, and application profiles. In <i>XML for catalogers and metadata librarians</i> . (pp. 129-161). Santa Barbara: Libraries Unlimited.	Prepare Exercises Chapter 8 for in-class discussion: http://www.metadataetc.org/book-website/exercises/exercise8.htm
Week 15: May 4-8	Metadata research; The future of metadata; Linked data and the semantic web	For May 5, 2014 Zeng and Qin, chapter 9 Baker, T. 2012. Libraries, languages of description, and linked data: A Dublin Core perspective. <i>Library Hi Tech</i> , 30(1): 116-133. (read up on RDF beforehand if you are unclear)	Prepare small group ungraded discussion of your final paper or project. Peer feedback on papers; peer feedback on repository and documentation
Reading week and final projects due Friday, May 9, 2014 at midnight.			