

## Syllabus Format – Graduate Courses

**Department:** Department of Library and Information Science

**Course Number and Title:** LIS 258 Museum Informatics

**Bulletin Description:** [25 words maximum]

This course introduces how technical innovations influence the social world of museums by exploring information technology and modern information systems in museum environment.

**Prerequisite(s):**

None

**Co-requisite(s):**

None

**Course Objectives:**

- **Objective 1:** To equip Cultural Heritage Information Professionals with the basic concepts and terminology of museum informatics
  - **Learning Outcome:** Upon completion of this course students will be able to demonstrate knowledge of the basic concepts and terminology of museum informatics.
- **Objective 2:** To provide Cultural Heritage Information Professionals with the skill-sets necessary to critically analyze and assess the impact of information science & technology on museums.
  - **Learning Outcome:** Upon completion of this course students will be able to critically analyze and assess the impact of information science and technology on museums.
- **Objective 3:** To equip future Cultural Heritage Information professionals with basic skill-sets to effectively deal with challenges within the field of informatics as they develop digital collections, including information organization & access, digitization & computer automation, and standards for data sharing.
  - **Learning Outcome:** Upon completion of this course students will be able to define and provide examples of the challenges facing Cultural Heritage Information Professionals as they develop digital collections, including information organization & access, digitization & computer automation, and standards for data sharing.
- **Objective 4:** To provide Cultural Heritage Information Professionals with the ability to evaluate the social impact of museum technologies on museum professionals, from the perspectives of museum-museum collaborations, museum-school educational outreach, and museum-scholar research activities.
  - **Learning Outcomes:** Upon completion of this course students will be able to critically analyze the social impact of museum technologies on museum professionals, from the perspectives of museum-museum collaborations, museum-school educational outreach, and museum-scholar research activities.
- **Objective 5:** To provide Cultural Heritage Information Professionals with an opportunity to explore the social impact of museum technologies on museum visitors, taking into consideration such issues as multimedia exhibits in museums, virtual museums online, and pervasive computing devices.

- **Learning Outcome:** Upon completion of this course students will be able to critically analyze the social impact of museum technologies on museum visitors, taking into consideration such issues as multimedia exhibits in museums, virtual museums online, and pervasive computing devices.
- **Objective 6:** To provide Cultural Heritage Information Professionals with an opportunity to explore the modern museum as an information environment, understanding such issues as intellectual property, copyright, and integrated collections management systems.
  - **Learning Outcome:** Upon completion of this course students will understand the modern museum as an information environment by engaging in such issues as intellectual property, copyright, and integrated collections management systems.

**Program Goals and Outcomes:**

3A) Understand the principles involved and the developmental, descriptive, and evaluative skills needed in the organization, representation and retrieval of recorded knowledge and information resources.

3B) Demonstrate ability to organize recorded knowledge and information using the systems of cataloging, metadata, indexing, and classification standards and methods.

4A) Acquire, apply, analyze and assess information, communication, assistive, and other technological skills related to resources, service delivery, professionalism, efficacy, and cost-efficiency of current technologies and relevant technological improvements.

**Units of Instruction:**

Date	Topic	Assignments
Week 1	<p><u><a href="#">WHAT IS MUSEUM INFORMATICS?</a></u></p> <ul style="list-style-type: none"> <li>➤ <i>First Day of Classes</i></li> </ul> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Marty (Text Book, Ch.1, pp. 3-8)</li> <li>➤ Marty (2012)</li> <li>➤ Freitag (1987)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Misunas &amp; Urban (2010)</li> <li>➤ Ellin (1969)</li> <li>➤ Griffiths et al. (2007)</li> <li>➤ Marty (2010)</li> </ul>	<p><u><a href="#">Student-Museum Partnership Assignment</a></u> (5pts)</p> <p><u><a href="#">Museum Informatics Pre-Reflection</a></u> (5pts)</p> <p><u><a href="#">Museum Informatics Poster Presentation</a></u> (10pts)</p> <p><u><a href="http://www.stjohns.edu/research/research-month">http://www.stjohns.edu/research/research-month</a></u></p>
Week 2	<p><u><a href="#">THE INFORMATION PROFESSION IN MUSEUMS</a></u></p> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Marty (TextBook, Ch.18, pp. 269-274)</li> <li>➤ Marty (2007a)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Given &amp; McTavish (2010)</li> <li>➤ Trant (2009)</li> <li>➤ Marty (2005)</li> <li>➤ Marty (2007b)</li> <li>➤ Koot (2001)</li> </ul>	<p><u><a href="#">Copyright Assignment</a></u> (5pts)</p>

<p>Week 3</p>	<p><u><a href="#">INFORMATION MANAGEMENT SYSTEMS</a></u></p> <p>Additional Presentation:</p> <ul style="list-style-type: none"> <li>➤ <u><a href="#">Why We Code</a></u></li> </ul> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Peacock (TextBook Ch. 5 pp. 59-76)</li> <li>➤ Marty (TextBook Ch.6 pp. 79-84)</li> <li>➤ Sully (2010)</li> <li>➤ Goldstein &amp; Sully (2012)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Abbott (2010, June 15)</li> <li>➤ CHIN (2011)</li> <li>➤ CHIN (2012)</li> <li>➤ Parry (2007)</li> <li>➤ Neilson (2010)</li> <li>➤ Misunas (2010)</li> <li>➤ Zorich (2008)</li> <li>➤ Goodman et al. (2007)</li> <li>➤ Wilde &amp; Mann (2010)</li> <li>➤ Pfaff (1994)</li> <li>➤ NINCH (2002)</li> </ul> <p>Useful Links/Collection Management System Examples:</p> <ul style="list-style-type: none"> <li>➤ <a href="http://www.artstor.org/index.shtml">http://www.artstor.org/index.shtml</a></li> <li>➤ <a href="http://www.metmuseum.org/">http://www.metmuseum.org/</a></li> <li>➤ <a href="http://www.amnh.org/science/divisions/anthro/">http://www.amnh.org/science/divisions/anthro/</a></li> <li>➤ <a href="http://www.getty.edu/museum/">http://www.getty.edu/museum/</a></li> <li>➤ <a href="http://www.oac.cdlib.org/">http://www.oac.cdlib.org/</a></li> <li>➤ <a href="http://www.prm.ox.ac.uk/databases.html">http://www.prm.ox.ac.uk/databases.html</a></li> <li>➤ <a href="http://collections.si.edu/search/">http://collections.si.edu/search/</a></li> </ul> <p>Tools:</p> <ul style="list-style-type: none"> <li>➤ <a href="http://www.collectiveaccess.org/">http://www.collectiveaccess.org/</a></li> <li>➤ <a href="http://omeka.org/">http://omeka.org/</a></li> <li>➤ <a href="http://www.gallerysystems.com/embarc-product-information">http://www.gallerysystems.com/embarc-product-information</a></li> </ul>	<p>Initial <a href="http://www.info-matic.org">www.info-matic.org</a>  <a href="#">Blog Post</a> (5pts)  <a href="#">Comparative Analysis of Information Management Systems Assignment</a> (10pts)</p>
<p>Week 4</p>	<p><u><a href="#">INFORMATION POLICY &amp; ETHICS</a></u>  <i>Visit 1: Brooklyn Museum of Art</i></p> <p>Additional Presentations:</p> <ul style="list-style-type: none"> <li>➤ <a href="#">ICOM Code of Ethics for Museums</a></li> <li>➤ <a href="#">UNESCO: Role of Museums in Education &amp; Cultural Tourism Development Policy Brief</a></li> </ul> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Zorich (Textbook, Ch.7, pp. 85-106)</li> <li>➤ Hamma (2005)</li> </ul>	<p><a href="#">Discussion 1 Assignment</a> (5pts)</p>

	<ul style="list-style-type: none"> <li>➤ Shatford (1984)</li> <li>➤ Shatford (1986)</li> <li>➤ White (2002)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Rayward (1998)</li> <li>➤ Wong (2011)</li> <li>➤ Zorich et al. (2008)</li> <li>➤ Pantalony (2007)</li> <li>➤ Grant &amp; Sussums (n.d.)</li> <li>➤ Tanner (2004)</li> <li>➤ Brown (1998)</li> </ul> <p>Tools:</p> <ul style="list-style-type: none"> <li>➤ <a href="#">AAM: Developing an Institutional Code of Ethics</a></li> <li>➤ <a href="#">Code of Ethics for Museums: Ethical principles for all who work for or govern museums in the UK</a></li> <li>➤ <a href="#">London Museums Hub: Information Policy Toolkit</a></li> </ul> <p>Useful Links:</p> <ul style="list-style-type: none"> <li>➤ <a href="http://www2.nau.edu/libnap-p/protocols.html">http://www2.nau.edu/libnap-p/protocols.html</a></li> <li>➤ <a href="http://www8.nau.edu/hcporp/intellectPropRights.html">http://www8.nau.edu/hcporp/intellectPropRights.html</a></li> <li>➤ <a href="http://blogs.loc.gov/loc/2008/01/my-friend-flickr-a-match-made-in-photo-heaven/">http://blogs.loc.gov/loc/2008/01/my-friend-flickr-a-match-made-in-photo-heaven/</a></li> <li>➤ <a href="http://www.ankn.uaf.edu/KS/mataatua.html">http://www.ankn.uaf.edu/KS/mataatua.html</a></li> <li>➤ <a href="https://public.resource.org/memo.2007.05.19.html">https://public.resource.org/memo.2007.05.19.html</a></li> <li>➤ <a href="http://www.npr.org/templates/story/story.php?storyId=10451425">http://www.npr.org/templates/story/story.php?storyId=10451425</a></li> <li>➤ <a href="http://kk.org/thetechnium/archives/2008/01/better_than_fre.php">http://kk.org/thetechnium/archives/2008/01/better_than_fre.php</a></li> <li>➤ <a href="http://www.spurlock.illinois.edu/policy/ethics.html">http://www.spurlock.illinois.edu/policy/ethics.html</a></li> </ul>	
Week 5	<p><a href="#">INFORMATION REPRESENTATION</a></p> <p>Additional Presentation</p> <ul style="list-style-type: none"> <li>➤ <a href="#">Information Representation</a></li> </ul> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Bearman (TextBook Ch.4, pp. 35-58)</li> <li>➤ White (2002)</li> <li>➤ Shatford (1984)</li> <li>➤ Shatford (1986)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Kucsma et al. (2010)</li> <li>➤ CCO Commons <a href="http://cco.vrafoundation.org/">http://cco.vrafoundation.org/</a></li> <li>➤ Voss (2012)</li> <li>➤ Oomen et al. (2012)</li> </ul>	<a href="#">Metadata Assignment</a> (5pts)

	<ul style="list-style-type: none"> <li>➤ Baca et al (2010)</li> <li>➤ Wyman et al. (2006)</li> <li>➤ Marty (2003)</li> </ul> <p>Useful Links:</p> <ul style="list-style-type: none"> <li>➤ The Steve Project <a href="http://www.steve.museum/">http://www.steve.museum/</a></li> </ul>	
<p>Week 6</p>	<p><a href="#"><u>STANDARDS IN DATA STRUCTURE, CONTENT &amp; VALUES</u></a></p> <p><i>Library Room 110 (Metadata Training)</i></p> <p>Additional Presentations:</p> <ul style="list-style-type: none"> <li>➤ <a href="#"><u>Seeing Standards: Data Structure, Content &amp; Values</u></a></li> <li>➤ <a href="#"><u>Shared Cataloging in the Online Environment</u></a></li> </ul> <p>Questions to Consider:</p> <ul style="list-style-type: none"> <li>➤ What are the similarities &amp; differences between the archive environment and the museum environment when describing their objects?</li> <li>➤ What are Standards in Data Structure, Data Content, and Data Values? Explain.</li> </ul> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Baca et al. (TextBook Ch. 8 pp. 107-128)</li> <li>➤ Baca, et al. (2008)</li> <li>➤ <a href="https://www.getty.edu/research/publications/electronic_publications/intrometadata/"><u>https://www.getty.edu/research/publications/electronic_publications/intrometadata/</u></a></li> <li>➤ White (2002)</li> <li>➤ Elings &amp; Waibel (2007)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Baca (2004)</li> <li>➤ Baca et al. (2006a)</li> <li>➤ Baca et al. (2006b)</li> <li>➤ Bearman (1994)</li> <li>➤ CHIN (2002)</li> <li>➤ O’Keefe &amp; Oldal (2010)</li> <li>➤ Rinehart &amp; White (2008)</li> <li>➤ Ross &amp; Oritz-Williams (2007)</li> <li>➤ Star &amp; Griesemer (1989)</li> <li>➤ Waibel et al. (2010)</li> </ul> <p>Tools:</p> <ul style="list-style-type: none"> <li>➤ <a href="http://www.dlib.indiana.edu/~jenrile/metadatamap/seeingstandards_glossary_pamphlet.pdf"><u>http://www.dlib.indiana.edu/~jenrile/metadatamap/seeingstandards_glossary_pamphlet.pdf</u></a></li> <li>➤ <a href="http://www.dlib.indiana.edu/~jenrile/metadatamap/seeingstandards.pdf"><u>http://www.dlib.indiana.edu/~jenrile/metadatamap/seeingstandards.pdf</u></a></li> <li>➤ <a href="http://www.getty.edu/research/publications/electronic_publications/intro_aia/index.html"><u>http://www.getty.edu/research/publications/electronic_publications/intro_aia/index.html</u></a></li> <li>➤ <a href="http://www.getty.edu/research/publications/electronic_publications/cdwa/index.html"><u>http://www.getty.edu/research/publications/electronic_publications/cdwa/index.html</u></a></li> <li>➤ <a href="http://www.getty.edu/research/conducting_research/f"><u>http://www.getty.edu/research/conducting_research/f</u></a></li> </ul>	<p>----</p>

	<p><a href="#">ocabularies/aat/</a>.</p> <ul style="list-style-type: none"> <li>➤ <a href="http://www.vrweb.org/projects/vracore4/index.html">http://www.vrweb.org/projects/vracore4/index.html</a></li> <li>➤ <a href="http://www.getty.edu/research/conducting_research/standards/cdwa">http://www.getty.edu/research/conducting_research/standards/cdwa</a>.</li> </ul>	
Week 7	<p>NO CLASSES</p> <ul style="list-style-type: none"> <li>➤ Spring Break</li> </ul>	----
Week 8	<p><a href="#">THE INTERACTIVE MUSEUM: ONLINE &amp; ON-SITE</a></p> <ul style="list-style-type: none"> <li>➤ <i>Visit 2: Brooklyn Museum of Art</i></li> </ul> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Barry (2006)</li> <li>➤ Marty (2007)</li> </ul> <p>Recommended Readings</p> <ul style="list-style-type: none"> <li>➤ Douma &amp; Henchman (2000)</li> <li>➤ Economou (TextBook, Ch.10, pp.137-156)</li> <li>➤ Marty &amp; Twidale (2004)</li> <li>➤ Marty (TextBook, Ch.9 pp. 131-135)</li> <li>➤ Wakkary, et al. (2007)</li> </ul>	<p><a href="#">Discussion 2 Assignment</a> (5pts)</p> <p><a href="#">Interactive Technology Assignment</a> (5pts)</p>
Week 9	<p><a href="#">AUGMENTED &amp; VIRTUAL MUSEUM REALITIES</a> <a href="http://www.museum-id.com/idea-detail.asp?id=336">http://www.museum-id.com/idea-detail.asp?id=336</a></p> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Urban et al. (2007)</li> <li>➤ Schavemaker et al. (2011)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Allison &amp; Fillwalk (2009)</li> <li>➤ Layer (<a href="http://www.powerhousemuseum.com/layer">www.powerhousemuseum.com/layer</a>)</li> <li>➤ Museum of London's Streets App (<a href="http://www.mus...">http://www.mus...</a>)</li> <li>➤ Rothfarb &amp; Doherty (2007)</li> <li>➤ Snyder &amp; Elinich (2010)</li> </ul> <p>Useful Links/Online Exhibits:</p> <ul style="list-style-type: none"> <li>➤ <a href="http://www.thebanmappingproject.com/">http://www.thebanmappingproject.com/</a></li> <li>➤ <a href="http://valley.lib.virginia.edu/">http://valley.lib.virginia.edu/</a></li> <li>➤ <a href="http://www.blakearchive.org/blake/main.html">http://www.blakearchive.org/blake/main.html</a></li> <li>➤ <a href="http://wintercounts.si.edu/">http://wintercounts.si.edu/</a></li> <li>➤ <a href="http://www.nmnh.si.edu/naa/fletcher/">http://www.nmnh.si.edu/naa/fletcher/</a></li> <li>➤ <a href="https://www.google.com/search?q=augmented+reality+museum+exhibit&amp;tbm=isch&amp;tbo=u&amp;source=univ&amp;sa=X&amp;ei=t6spU--GBqrGoAG_6oHwAw&amp;ved=oCDIQsAQ&amp;biw=943&amp;bih=651&amp;dpr=1.09">https://www.google.com/search?q=augmented+reality+museum+exhibit&amp;tbm=isch&amp;tbo=u&amp;source=univ&amp;sa=X&amp;ei=t6spU--GBqrGoAG_6oHwAw&amp;ved=oCDIQsAQ&amp;biw=943&amp;bih=651&amp;dpr=1.09</a></li> <li>➤ <a href="http://thenextweb.com/apps/2013/02/24/asian-art-museum-san-francisco-augmented-ios-app-terracotta-warriors-exhibit/">http://thenextweb.com/apps/2013/02/24/asian-art-museum-san-francisco-augmented-ios-app-terracotta-warriors-exhibit/</a></li> </ul>	----
Week 10	<p><a href="#">SOCIAL COMPUTING &amp; THE PARTICIPATORY MUSEUM</a></p> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Russo &amp; Peacock (2009)</li> <li>➤ Simon (2010)</li> </ul>	<p><a href="#">Social Technology Assignment</a> (5pts)</p>

	<p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Fisher et al. (2011)</li> <li>➤ HistoryPin (n.d.)</li> <li>➤ Kalfatovic et al. (2009)</li> <li>➤ <a href="http://musemtwo.blogspot.com/">http://musemtwo.blogspot.com/</a></li> <li>➤ Russo et al. (2008)</li> </ul> <p>Useful Links/Blog Examples:</p> <ul style="list-style-type: none"> <li>➤ <a href="http://museumtwo.blogspot.com/">http://museumtwo.blogspot.com/</a></li> </ul>	
Week 11	<p><u><a href="#">USER-GENERATED CONTENT</a></u></p> <ul style="list-style-type: none"> <li>➤ <i>St. John's DLIS Spring Symposium</i></li> </ul> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Terras (2011)</li> <li>➤ Trant (2009)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Puig, et al. (2009)</li> <li>➤ Samis &amp; Pau (2006)</li> <li>➤ The Sociable (2011)</li> <li>➤ Proctor (2007)</li> <li>➤ Furner (2010)</li> <li>➤ Lopez et al. (2010)</li> <li>➤ Van Hooland et al. (2011)</li> </ul>	----
Week 12	<p><u><a href="#">USER EXPECTATIONS &amp; MOTIVATIONS</a></u></p> <ul style="list-style-type: none"> <li>➤ <i>St. John's Student Research Month</i></li> </ul> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Ellenbogen et al. (TextBook, Ch.13, pp. 187-194)</li> <li>➤ Haley &amp; Schaller (2004)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Dowden &amp; Sayre (2009)</li> <li>➤ Marty (TextBook, Ch.12, pp. 181-185)</li> <li>➤ Smithsonian (2010)</li> <li>➤ Solas (2010)</li> <li>➤ Taxen &amp; Frecon (2005)</li> </ul>	<u><a href="#">Discussion 3 Assignment</a></u> (5pts)
Week 13	<p>NO CLASSES</p> <ul style="list-style-type: none"> <li>➤ Easter Break</li> </ul>	----
Week 14	<p><u><a href="#">MOBILE TECHNOLOGIES</a></u></p> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Petrie &amp; Tallon (2010)</li> <li>➤ Proctor (2010)</li> </ul>	<u><a href="#">Mobile Technology Assignment</a></u> (5pts)

	<p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ Arts &amp; Schoonhoven (2005)</li> <li>➤ Gammon &amp; Burch (2008)</li> <li>➤ Hsi (2008)</li> <li>➤ <a href="http://wiki.museummobile.info/">http://wiki.museummobile.info/</a></li> <li>➤ Samis (2010)</li> <li>➤ Silveira et al. (2005)</li> </ul>	
Week 15	<p><b><u>DIGITAL STRATEGIES</u></b></p> <ul style="list-style-type: none"> <li>➤ <i>Visit 3: Brooklyn Museum of Art</i></li> </ul> <p>Required Readings:</p> <ul style="list-style-type: none"> <li>➤ Smithsonian's Digitization Plan (2010)</li> <li>➤ Stein (2012)</li> </ul> <p>Recommended Readings:</p> <ul style="list-style-type: none"> <li>➤ ALCS (2006)</li> <li>➤ Trant (TextBook, Ch.19, pp. 275-292)</li> <li>➤ Urban &amp; Twidale (2010)</li> </ul>	<a href="#"><u>Discussion 4 Assignment</u></a> (5pts)
Week 16	<p>LAST DAY OF CLASSES</p> <ul style="list-style-type: none"> <li>➤ <i>Optional F2F/Online DLIS ePortfolio Help</i></li> <li>➤ Final Exam Week</li> </ul>	<a href="#"><u>Museum Informatics Post-Reflection</u></a> (5pts) Final Exam (20pts)

## Bibliography:

### Week1: What is Museum Informatics?

Ellin, E. (1969). Museums and the computer: An appraisal of new potentials. *Computers and the Humanities*, 4(1), 25-30.

Freitag, W. M. (1987). Art reproductions in the library: Notes on their history and use. In G. P. Weisberg, L. S. Dixon & A. B. Lemke (Eds.), *The Documented Image: Visions in Art History* (pp. 349-363). Syracuse, NY: Syracuse University Press.

Griffiths, J. M., King, D. W., & Aerni, S. E. (2007). The use, usefulness and value of museums in the U.S. Paper presented at *Museums and the Web 2007 (MW2007)*, San Francisco, Ca. Retrieved from *Archives & Museum Informatics* <http://www.archimuse.com/mw2007/papers/griffiths/griffiths.html>

Marty, P.F. (2008). An introduction to museum informatics. In P. F. Marty & K. B. Jones (Eds.), *Museum informatics: People, information and technology in museums* (pp. 3-8). New York: Routledge.

Marty, P. F. (2010). Museum Informatics. In Bates, M.J. & Maack, M.N. (Eds.) *Encyclopedia of Library and Information Science* (3<sup>rd</sup> ed.) (pp. 3717-3725). New York: Taylor & Frances. doi: 10.1081/E-ELIS3-120043944

Marty, P.F. (Feb/March 2012). Unintended consequences: Unlimited access, invisible work and the future of the information profession in Cultural Heritage Organizations. *Bulletin of the American*



*Society for Information Science and Technology*, 38(3), 27-31. Retrieved from [http://www.asis.org/Bulletin/Feb-12/FebMar12\\_Marty.html](http://www.asis.org/Bulletin/Feb-12/FebMar12_Marty.html)

Misunas, Marla, and Richard Urban. (2010). Museum Computer Network (MCN). In *Encyclopedia of library and information sciences*, 3rd ed., ed. Marcia J. Bates and Mary Niles Maack, 3711-3716. Boca Raton, FL: CRC Press.

### **Week 2: The Information Profession in Museums**

Given, L.M., & McTavish, L. (2010). What's old is new again: The reconvergence of libraries, archives and museums in the digital age. *Library Quarterly*, 80(1), 7-32.

Koot, Geert-Jan. (2001). Museum librarians as information strategists. *INSPEL*, 35(4), 248-258. Retrieved from <http://forge.fh-potsdam.de/~IFLA/INSPEL/01-4koge.pdf>

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Marty, P.F. (2007a). The changing nature of information work in museums. *Journal of the American Society for Information Science and Technology*, 58(1), 97-107. doi: 10.1002/asi.20443

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### **Week 3: Information Management Systems**

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#### **Week 4: Information Policy & Ethics**

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### **Week 6: Standards in Data Structure, Content & Values**

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**Week 7: No Classes – Spring Break (Monday, March 3<sup>rd</sup> – Sunday, March 8<sup>th</sup>)**

**Week 8: The Interactive Museum – Online & On-Site**

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### **Week 9: Augmented & Virtual Museum Realities**

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### **Week 10: Social Computing & the Participatory Museum**

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### **Week 11: User-Generated Content**

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### **Week 12: User Expectations & Motivations**

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Haley Goldman, K., & Schaller, D. (2004). Exploring motivational factors and visitor satisfaction in on-line museum visits. In D. Bearman, & J. Trant (Eds.), *Museums and the Web 2004*. Toronto, CA: Archives and Museum Informatics. <http://www.archimuse.com/mw2004/papers/haleyGoldman/haleyGoldman.html>

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### **Week 13: No Classes – Spring Break (April 17<sup>th</sup> – April 21<sup>st</sup>)**

#### **Week 14: Mobile Technologies**

Arts, M. and S. Schoonhoven, Culture Around The Corner And Its Location-Based Application, in J. Trant and D. Bearman (eds.). *Museums and the Web 2005: Proceedings*, Toronto: Archives & Museum Informatics. <http://www.archimuse.com/mw2005/papers/arts/arts.html>

Gammon, B., & Burch, A. (2008). Designing mobile digital experiences. In L. Tallon and K. Walker (Eds.), *Digital technologies and the museum experience* (pp. 35-61).

Hsi, S. (2008). Designing for mobile visitor engagement. In L. Tallon, & K. Walker (Eds.), *Digital technologies and the museum experience: Handheld guides and other media* (pp. 125-146). New York: Alta Mira Press.

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& Museum Informatics. Retrieved from Archives & Museum Informatics  
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<http://tatehandheldconference.pbworks.com/w/page/29523573/Keynote-presentation:-Peter-Samis-2010>]

Silveira, M., Pinho, M., Gonella, A., Herrmann, M., Calvetti, P., Bertoletti, A. C., et al. (2005). Using mobile devices to help teachers and students during a visit to a museum. In D. Bearman, & J. Trant (Eds.), *Museums and the Web 2005*. Toronto, CA: Archives & Museum Informatics.  
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### **Week 15: Digital Strategies**

ALCS (2006). Our Cultural Commonwealth.

<http://www.acls.org/cyberinfrastructure/ourculturalcommonwealth.pdf>

Stein, R. (2012) Blow up your digital strategy: Changing the conversation about museums and technology. Paper presented at Museums and the Web 2012 (MW2012), San Diego, CA. Retrieved from Archives & Museum Informatics  
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The Smithsonian's Digitization Strategic Plan (2010).

[http://www.si.edu/content/pdf/about/2010\\_SI\\_Digitization\\_Plan.pdf](http://www.si.edu/content/pdf/about/2010_SI_Digitization_Plan.pdf)

Trant, J. (2008). Curating collections knowledge: Museums on the cyber-infrastructure. In P. F. Marty & K. B. Jones (Eds.), *Museum informatics: People, information, and technology in museums* (pp. 275-292). New York: Routledge.

Urban, R. J., & Twidale, M. B. (2010). Designing and developing a collections dashboard. In J. Trant and D. Bearman (Eds.), *Museums and the Web 2010: Proceedings* (pp. 87-100). Toronto: Archives & Museum Informatics. Retrieved from Archives & Museum Informatics  
<http://www.archimuse.com/mw2010/papers/urban/urban.html>

### **Instructional Time Requirements: 150 hours for 3 credits (10 hours per week for our 15 week semester)**

Asynchronous or synchronous Lecture

Assigned weekly reading

Weekly assignments (individual and group)

Active participation in online discussions

Research for semester-long projects (term papers, projects)

Presentations (online or face to face)

Academic Service-Learning projects (where appropriate)