

LIS 598 Technology, Information, and Society
Course Schedule - Winter 2017

Week	Dates	Topic	Work Plan	Class Activity (subject to change)	Assignments & Dates
1	Jan 9 - 15	Introduction to Technology, Information, and Society	<ul style="list-style-type: none"> Review all important course documents and assignment instructions! Abras, C., Maloney-Krichmar, D., & Preece, J. (2004). User-centered design. In W. Bainbridge (Ed.), <i>Berkshire encyclopedia of human-computer interaction</i>. Thousand Oaks, CA: Sage. [Preprint PDF available online] Kling, R. (1999). What is social informatics and why does it matter? <i>D-Lib Magazine</i>, 5(1). doi:10.1045/january99-klings Attend our first class (Mon Jan 9, 1-3:50pm, 3-22 Rutherford South) Choose the reading you wish to present / lead discussion on (see Article Presentation assignment) 	<p>Course intro</p> <p>Activity: Getting to know you (and me!)</p> <p>Discussion: Why (and how) are technology, information, and society related?</p> <p>Activity: Choose reading for Article Presentation</p>	Choose reading you wish to present / lead discussion on (in-class Jan 9)
2	Jan 16 - 22	Human Perspectives: History and Philosophy	<ul style="list-style-type: none"> Johnson, R. R. (1998). Human factors and the tech(no)logical: Putting user-centered design into perspective. In <i>User-centered technology: A rhetorical theory for computers and other mundane artifacts</i> (pp. 69-84). Albany, NY: State University of New York Press. [EBook available via U of A Libraries] Löwgren, J., & Stolterman, E. (2007). Introduction. In <i>Thoughtful interaction design: A design perspective on information technology</i> (pp. 1-14). Cambridge, MA: MIT Press. [PDF available via U of A Libraries] Jaimes, A., Gatica-Perez, D., Sebe, N., & Huang, T. S. (2007). Human-centered computing: Toward a human revolution. <i>Computer</i>, 40(5), 30-34. doi:10.1109/MC.2007.169 	<p>Discussion: The importance of human users</p> <p>Activity: Humans in technology design</p>	
3	Jan 23 - 29	Human Perspectives: Research and	<ul style="list-style-type: none"> Matera, M., Rizzo, F., & Carughi, G. T. (2006). Web usability: Principles and evaluation methods. In E. Mendes & N. Mosley (Eds.), <i>Web</i> 	<p>Article Presentations</p> <p>Discussion: Human</p>	Article Presentations (in-class Jan 23)

		Theory (1/2)	<p><i>engineering</i> (pp. 143-180). Berlin, Germany: Springer. doi:10.1007/3-540-28218-1_5</p> <ul style="list-style-type: none"> • Makri, S., Blandford, A., Gow, J., Rimmer, J., Warwick, C., & Buchanan, G. (2007). A library or just another information resource? A case study of users' mental models of traditional and digital libraries. <i>Journal of the American Society for Information Science and Technology</i>, 58(3), 433–445. doi:10.1002/asi.20510 • Cobus, L., Dent, V. F., & Ondrusek, A. (2005). How twenty-eight users helped redesign an academic library Web site: A usability study. <i>Reference and User Services Quarterly</i>, 44(3), 232–246. [Available via U of A Libraries] 	cognition and usability	
4	Jan 30 - Feb 5	Human Perspectives: Research and Theory (2/2)	<ul style="list-style-type: none"> • Rogers, Y. (2004). New theoretical approaches for human- computer interaction. <i>Annual Review of Information Science and Technology</i>, 38, 87–143. doi:10.1002/aris.1440380103 • Rinkus, S., Walji, M., Johnson-Throop, K. A., Malin, J. T., Turley, J. P., Smith, J. W., & Zhang, J. (2005). Human-centered design of a distributed knowledge management system. <i>Journal of Biomedical Informatics</i>, 38(1), 4–17. doi:10.1016/j.jbi.2004.11.014 	<p>Guest: Sonya Betz, Digital Initiatives, U of A Libraries</p> <p>Article Presentations</p> <p>Discussion: Theories of humans and technology</p> <p>Activity: Humans in technology design, revisited</p>	Article Presentations (in-class Jan 30)
5	Feb 6 - 12	Social Perspectives: History and Philosophy	<ul style="list-style-type: none"> • Kling, R., Rosenbaum, H., & Sawyer, S. (2005). The consequences of ICTs for organizations and social life. In <i>Understanding and communicating social informatics: A framework for studying and teaching the human contexts of information and communication technologies</i> (pp. 13-31). Medford, NJ: Information Today. [PDF available via eClass] • Meyer, E. T. (2014). Examining the hyphen: The value of social informatics for research and teaching. In P. Fichman & H. Rosenbaum (Eds.), <i>Social informatics: Past, present, and future</i> (pp. 56-72). Newcastle, UK: Cambridge Scholars 	<p>Discussion: Not just one, but many humans</p> <p>Activity: Social, technical, both?</p>	Report #1: Human Contexts of LIS Technology (due Feb 6, 1pm)

			Publishing. [PDF preprint available online]		
6	Feb 13 - 19	Social Perspectives: Research and Theory (1/2)	<ul style="list-style-type: none"> Sanfilippo, M., & Fichman, P. (2014). The evolution of social informatics research (1984-2013): Challenges and opportunities. In P. Fichman & H. Rosenbaum (Eds.), <i>Social informatics: Past, present, and future</i> (pp. 29-53). Newcastle, UK: Cambridge Scholars Publishing. [Preprint PDF available online] Kling, R., Rosenbaum, H., & Sawyer, S. (2005). Social informatics for designers, developers, and implementers of ICT-based systems. In <i>Understanding and communicating social informatics: A framework for studying and teaching the human contexts of information and communication technologies</i> (pp. 33-50). Medford, NJ: Information Today. [PDF available via eClass] Kling, R. (1991). Computerization and social transformations. <i>Science, Technology, and Human Values</i>, 16(3), 342–367. doi:10.1177/016224399101600304 	<p>Guest: Howard Rosenbaum, Professor, Indiana University</p> <p>Article Presentations</p> <p>Discussion: Key social informatics understandings</p>	Article Presentations (in-class Feb 13)
7	Feb 20 - 26	Winter Term Reading Week (NO CLASS)			
8	Feb 27 - Mar 5	Social Perspectives: Research and Theory (2/2)	<ul style="list-style-type: none"> Orlikowski, W. J., & Robey, D. (1991). Information technology and the structuring of organizations. <i>Information Systems Research</i>, 2(2), 143–169. doi:10.1287/isre.2.2.143 [Available via U of A Libraries] Star, S. L., & Ruhleder, K. (1996). Steps toward an ecology of infrastructure: Design and access for large information spaces. <i>Information Systems Research</i>, 7(1), 111–134. doi:10.1287/isre.7.1.111 [Available via U of A Libraries] Kling, R., McKim, G., & King, A. (2003). A bit more to it: Scholarly communication forums as Socio-Technical Interaction Networks. <i>Journal of the American Society for Information Science and Technology</i>, 54(1), 47-67. 	<p>Article Presentations</p> <p>Discussion: Organizations, technology, and information</p> <p>Activity: Applying STINs</p>	Article Presentations (in-class Feb 27)

			<ul style="list-style-type: none"> • doi:10.1002/asi.10154 Chayko, M. (2014). Techno-social life: The Internet, digital technology, and social connectedness. <i>Sociology Compass</i>, 8(7), 976–991. doi:10.1111/soc4.12190 		
9	Mar 6 - 12	Political and Regulatory Factors	<p><i>Pick any two of the following three to read this week:</i></p> <ul style="list-style-type: none"> • Koepfler, J. A., Mascaro, C., & Jaeger, P. T. (2014). Homelessness, wirelessness, and (in)visibility: Critical reflections on the Homeless Hotspots Project and the ensuing online discourse. <i>First Monday</i>, 19(3). doi:10.5210/fm.v19i3.4846 • Bertot, J. C., Jaeger, P. T., & Grimes, J. M. (2010). Using ICTs to create a culture of transparency: E-government and social media as openness and anti-corruption tools for societies. <i>Government Information Quarterly</i>, 27(3), 264–271. doi:10.1016/j.giq.2010.03.001 • Henwood, F., Harris, R., Burdett, S., & Marshall, A. (2008). Health intermediaries? Positioning the public library in e-health discourse. In C. N. Wathen, S. Wyatt, & R. Harris (Eds.), <i>Mediating health information</i> (pp. 38–55). Basingstoke, UK: Palgrave Macmillan. doi:10.1057/9780230227323_3 	<p>Guest: Casey Fiesler, Assistant Professor, University of Colorado Boulder</p> <p>Discussion: Technology and society's organizations: Social justice issues</p> <p>Activity: Technology as a social justice warrior?</p>	<p>Report #2: Social Contexts of LIS Technology (due Mar 6, 1pm)</p>
10	Mar 13 - 19	Trends in Practice: Library Systems, Institutional Repositories	<ul style="list-style-type: none"> • Rieger, O. Y. (2008). Opening up institutional repositories: Social construction of innovation in scholarly communication. <i>Journal of Electronic Publishing</i>, 11(3). doi:10.3998/3336451.0011.301 • Gillette, E., O'Brien, H. L., & Bullard, J. (2011). Exploring technology through the design lens: A case study of an interactive museum technology. In H. Bruce & J. Grudin (Co-Chairs), <i>Proceedings of the 2011 iConference</i> (pp. 583–590), Seattle, WA, February 8-11, 2011. New York, NY: ACM. doi:10.1145/1940761.1940840 • Borgman, C. L. (2003). Designing digital libraries for usability. In A. P. Bishop, N. A. Van House, & B. P. Buttenfield (Eds.), <i>Digital library use: Social practice in design and evaluation</i> (pp. 85–118). 	<p>Article Presentations</p> <p>Discussion: Humans, libraries, and technology</p> <p>Activity: Choose group for LIS Technology Case Study</p>	<p>Article Presentations (in-class Mar 13)</p>

			Cambridge, MA: MIT Press. [PDF available via eClass]		
11	Mar 20 - 26	Trends in Practice: Information and Knowledge Management	<ul style="list-style-type: none"> • Yates, D., & Paquette, S. (2011). Emergency knowledge management and social media technologies: A case study of the 2010 Haitian earthquake. <i>International Journal of Information Management</i>, 31(1), 6–13. doi:10.1016/j.ijinfomgt.2010.10.001 • Moen, A., & Brennan, P. F. (2005). Health@Home: The work of health information management in the household (HIMH): Implications for consumer health informatics (CHI) innovations. <i>Journal of the American Medical Informatics Association</i>, 12(6), 648–656. doi:10.1197/jamia.M1758 • Holtzblatt, L. J., Damianos, L. E., & Weiss, D. (2010). Factors impeding Wiki use in the enterprise: A case study. In E. Mynatt & D. Schoner (Chairs), <i>Proceedings of CHI 2010: Tools affecting the enterprise</i> (pp. 4661–4676). Atlanta, GA, April 10-15, 2010. New York, NY: ACM. doi:10.1145/1753846.1754208 • Ardichvili, A. (2008). Learning and knowledge sharing in virtual communities of practice: Motivators, barriers, and enablers. <i>Advances in Developing Human Resources</i>, 10(4), 541–554. doi:10.1177/1523422308319536 	<p>Article Presentations</p> <p>Discussion: Sharing tacit and explicit knowledge and information</p>	Article Presentations (in-class Mar 20)
12	Mar 27 - Apr 2	Trends in Practice: Censorship and DRM	<ul style="list-style-type: none"> • Zhu, X., & Eschenfelder, K. R. (2010). Social construction of authorized users in the digital age. <i>College and Research Libraries</i>, 71(6), 548–568. doi:10.5860/crl-62r1 • Zhu, X. (2016). Driven adaptation: A grounded theory study of licensing electronic resources. <i>Library and Information Science Research</i>, 38(1), 69–80. doi:10.1016/j.lisr.2016.02.002 • Bendrath, R., & Mueller, M. (2011). The end of the net as we know it? Deep packet inspection and internet governance. <i>New Media and Society</i>, 13(7), 1142–1160. doi:10.1177/1461444811398031 	<p>Guest: Xiaohua (Awa) Zhu, Assistant Professor, University of Tennessee</p> <p>Article Presentations</p> <p>Discussion: Intellectual freedom and technology</p>	Article Presentations (in-class Mar 27)

13	Apr 3 - 9	Trends in Practice: “Library 2.0” and Online Community	<ul style="list-style-type: none"> • Kazmer, M. M., Lustria, M. L. A., Cortese, J., Burnett, G., Kim, J.-H., Ma, J., & Frost, J. (2014). Distributed knowledge in an online patient support community: Authority and discovery. <i>Journal of the Association for Information Science and Technology</i>, 65(7), 1319–1334. doi:10.1002/asi.23064 • Burnett, G., Burnett, K., Kazmer, M. M., Marty, P. F., Worrall, A., Knop, B., Hinnant, C. C., Stvilia, B., & Wu, S. (2014). Don't tap on the glass, you'll anger the fish! The information worlds of distributed scientific teams. In P. Fichman & H. Rosenbaum (Eds.), <i>Social informatics: Past, present, and future</i> (pp. 118–134). Newcastle, UK: Cambridge Scholars Publishing. [PDF available via eClass] • Lankes, R. D., Silverstein, J., & Nicholson, S. (2007). Participatory networks: The library as conversation. <i>Information Technology and Libraries</i>, 26(4), 17–33. doi:10.6017/ital.v26i4.3267 <p><i>Recommended additional viewing:</i></p> <ul style="list-style-type: none"> • Lankes, R. D. (2012). The Salzburg Curriculum: Technology [Video]. <i>Vimeo</i>. https://vimeo.com/50805046. Also, the page on the Salzburg Curriculum site relating to technology (which has a transcript of Lankes's video): http://salzburg.hyperlib.sjsu.edu/the-curriculum/curricular-topics/technology/ 	<p>Discussion: Expecting more (and more complex) communities</p> <p>Activity: Technology bridging boundaries</p>	
14	Apr 10 - 16	Group Case Study Presentations	<ul style="list-style-type: none"> • Present your case study! • Have a great spring and summer! 	<p>Activity: LIS Technology Case Study Presentations</p>	<p>LIS Technology Case Study Presentation (in-class Apr 10) Report (due Apr 14, 5pm)</p>