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| Schedule will change:<br>Check assignment dates<br>weekly. Note that<br>assignments are only<br>roughly ordered by date. |                                      | UNC-CH SILS 520<br>Section 1 Spring 2017                                                                      |
| Topic                                                                                                                    | Reading<br>and<br>Assignment<br>Date | Reading(s)                                                                                                    |
| I. INFORMATION AND<br>REPRESENTATION                                                                                     | Wed Jan<br>11                        |                                                                                                               |
| Introduction                                                                                                             | Wed Jan<br>11                        |                                                                                                               |
| Information and Entropies                                                                                                | Wed Jan<br>18                        | <a href="#">Read before class: Losee <i>Information From Processes</i> , Springer, 2012. Chapters 1&amp;2</a> |
| Perception, Language and Information                                                                                     | Wed Jan<br>25                        | <a href="#">Read before class: Losee <i>Information From Processes</i> , Springer, 2012. Chapter 5</a>        |
| Representation                                                                                                           | Mon Jan 30                           | <a href="#">Read before class: Losee <i>Information From Processes</i> , Springer, 2012. Chapters 2&amp;3</a> |

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| Computer Representation Systems                     | Wed Feb 1  |                                                                                                                                                                                                                                             |
| Collection Development                              | Wed Feb 15 |                                                                                                                                                                                                                                             |
| II. STRUCTURED and SEMI-STRUCTURED INFO             | Mon Feb 20 |                                                                                                                                                                                                                                             |
| Relational DB                                       | Mon Feb 20 |                                                                                                                                                                                                                                             |
|                                                     | Mon Feb 27 | <a href="#">Critique of: Dow, Kevin E; Hackbarth, Gary; Wong, Jeffrey "Data Architectures for an Organizational Memory Information System" Journal of the American Society for Information Science and Technology (2013) pp. 1345-1356.</a> |
| Relational Systems (cont).                          | Wed Feb 22 |                                                                                                                                                                                                                                             |
| III. UNSTRUCTURED INFO                              | Mon Feb 27 |                                                                                                                                                                                                                                             |
| Similarity and Ordering of Unstructured Information | Mon Feb 27 |                                                                                                                                                                                                                                             |
|                                                     | Mon Mar 20 | <a href="#">Critique of McKay, Buchanan, and Chang. Tyranny of Distance: Understanding Academic Library Browsing by Refining the Neighbour Effect, TPD L (2015)</a>                                                                         |
| Clustering                                          | Wed Mar 8  |                                                                                                                                                                                                                                             |
| Measuring Indexing & Retrieval Performance          | Mon Mar 20 |                                                                                                                                                                                                                                             |

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| Popularity and Graphs                              | Mon Mar 27 |                                                                                                                                                                                                                   |
| Social Networks                                    | Wed Mar 29 |                                                                                                                                                                                                                   |
|                                                    | Wed Mar 29 | <a href="#">Critique of: Wallace, Matthew L; Larivière, Vincent; Gingras, Yves "A Small World of Citations? The Influence of Collaboration Networks on Citation Practices", Public Library of Science (2012).</a> |
| III.1. ORGANIZING UNSTRUCTURED INFORMATION         | Wed Mar 29 |                                                                                                                                                                                                                   |
| Precoordinate vs post-coordinate systems           | Mon Apr 3  |                                                                                                                                                                                                                   |
| Dewey and LC                                       | Mon Apr 3  | <a href="#">Read before class: Fricke, Logic and the Organization of Information, Springer, 2012. Chapters 2-3, 5</a>                                                                                             |
|                                                    | Mon Apr 10 | <a href="#">Critique of: Ma, Zongyang 1 ; Sun, Aixin; Cong, Gao, "On Predicting the Popularity of Newly Emerging Hashtags in Twitter", JASIST (2013) pp 1399-1410.</a>                                            |
| Colon (Ranganathan) and Precis                     | Mon Apr 10 | <a href="#">Read before class: Fricke, Logic and the Organization of Information, Springer, 2012. Chapters 6, 7</a>                                                                                               |
| NLP                                                | Mon Apr 10 |                                                                                                                                                                                                                   |
| Term Dependence                                    | Wed Apr 12 |                                                                                                                                                                                                                   |
| Controlled Vocabulary, Thesaurus & Hierarchy, SKOS | Mon Apr 17 |                                                                                                                                                                                                                   |

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|                                            | Wed Apr 19               | <a href="#">Critique of Blair, Wang, Nestorov, Evans, Rzhetsky "Quantifying the Impact and Extent of Undocumented Biomedical Synonymy" in Public Library of Science: Computational Biology (2014)</a>                                                      |
|                                            | Wed Apr 19               | OR (one but not both)                                                                                                                                                                                                                                      |
|                                            | Wed Apr 19               | <a href="#">Critique of: Willis, Craig and Losee, Robert "A random walk on an ontology: Using thesaurus structure for automatic subject indexing" Journal of the American Society for Information Science and Technology (2013) pp. 1330-1344.</a>         |
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| RDA & MARC                                 | Mon Apr 17               |                                                                                                                                                                                                                                                            |
| III.2. OTHER ISSUES                        | Wed Apr 19               |                                                                                                                                                                                                                                                            |
| Uncontrolled Vocabularies and Folksonomies | Wed Apr 19               |                                                                                                                                                                                                                                                            |
|                                            | Wed Apr 26<br>Last Class | <a href="#">Critique of: Arash Joorabchi, Abdulhussain E. Mahdi, (2013) "Classification of scientific publications according to library controlled vocabularies: A new concept matching-based approach", Library Hi Tech, Vol. 31 Iss: 4, pp.725 - 747</a> |
|                                            |                          | OR (one but not both)                                                                                                                                                                                                                                      |
|                                            | Wed Apr 26<br>Last Class | <a href="#">Critique of Manzo, Kaufman, Punjasthitkul, Flanagan "By the people, for the people: Assessing the value of crowdsourced, user-generated metadata." Digital Humanities (2015) 9(1)</a>                                                          |
| MetaInformation and MetaKnowledge          | Mon Apr 24               |                                                                                                                                                                                                                                                            |
| Organizing for Browsing & Gray Codes       | Wed Apr 26<br>Last Class |                                                                                                                                                                                                                                                            |