

## Tentative Schedule

1/17	Introduction
1/22 – 1/31	Hyperlinks on the web <ul style="list-style-type: none"><li>- Hubs &amp; Authorities</li><li>- Linear Algebra Refresher</li><li>- Google's PageRank Algorithm</li><li>- Web Structure (Bowtie)</li></ul>
2/5	Student Paper Presentations
2/7 – 2/21	Information Retrieval I <ul style="list-style-type: none"><li>- Overview</li><li>- Representations</li><li>- Querying</li><li>- Clustering</li><li>- EM</li></ul>
2/26	Student Paper Presentations
2/28 – 3/21	Information Retrieval II <ul style="list-style-type: none"><li>- Graph Partitioning</li><li>- Classification</li><li>- SVMs</li><li>- Links, Tags and Text</li><li>- Managing Gigabytes</li></ul>
3/26	Student Paper Presentations
3/28 – 4/2	Clickstream Analysis <ul style="list-style-type: none"><li>- Goals, Pre-processing</li><li>- Cowpath Analysis</li></ul>
4/4	No Lecture
4/9	Exam
4/11 – 4/18	Personalization <ul style="list-style-type: none"><li>- Recommender Systems</li><li>- System Issues, Personal Agents</li><li>- Multi-method Personalization</li></ul>
4/23	Student Paper Presentations
4/25 – 5/2	Misc. (project presentations, etc.)