Introduction to COMP6037

&

Context of Web Science at Southampton

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COMP6037: Foundations of Web Science

- Pilot (first time!) of a new module
- The cornerstone of a new MSc in Web Science
- The MSc is the basis of a new Doctoral Training Centre
  - October 2009, 4-year postgraduate training
- Web Science is itself a new discipline
- It’s all new, exciting & challenging
The Aim is to make a cohort of Web Scientists

- To carry out deep and significant research, situated in a wider context, promoting Web Science in the academic community and forming a hub for research activity.

  (a) Develop appropriate research skills,
  (b) Understand different disciplinary approaches
  (c) Create a coherent community.
What is Web Science?

• understand how the Web shapes and is shaped by society
e.g. analyse the impact of the Web on business, government, law and science, and how the Web is adapted and changed by these entities

• uses multi-disciplinary techniques to explore the impact of the Web on all aspects of human society, from the individual right through to national and global scales.

• pioneered by Web Science Research Initiative (WSRI)
  – ECS in the UK and MIT in the US
COMP6037: Foundations of Web Science

- http://www.ecs.soton.ac.uk/notes/comp6037/
## Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Monday 11am</th>
<th>Wednesday 11am</th>
<th>Friday 11am (Practical/Tutorial)</th>
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<tbody>
<tr>
<td>1:</td>
<td>Feb 2nd</td>
<td><strong>Introduction to module</strong></td>
<td>What is WebScience (Nigel Shadbolt, Professor of Computing)</td>
<td>What is Web Science? Press Releases</td>
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<tr>
<td>2:</td>
<td>Feb 9th</td>
<td>The Web Graph</td>
<td>Web Graph Analysis</td>
<td>DIY Google</td>
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<td>3:</td>
<td>Feb 16th</td>
<td>Social Networking</td>
<td>Social Network Analysis</td>
<td>Facebook Analysis</td>
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<td>5:</td>
<td>Mar 2nd</td>
<td>Individuals, Behaviou Change and the Web (Lucy Yardley, Psychology)</td>
<td>Process Lecture II: Planning Your Wiki</td>
<td>Making People Healthier (Behavioural Change and the Web)</td>
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<td>6:</td>
<td>Mar 9th</td>
<td>Groups, Society and the Web (Cathy Pope, Sociology)</td>
<td>Gender, Power and the Web (mc_schraefel, ECS)</td>
<td>Families on the Web (Facebook, Flickr, Geanealogy)</td>
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<td>7:</td>
<td>Mar 16th</td>
<td></td>
<td>Virtual Conference Week: Link to WebSci09</td>
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<td>8:</td>
<td>Apr 20th</td>
<td>Security, Law &amp; Govcernance (Caroline Wilson, Professor of Law) [VIDEO]</td>
<td>Politics &amp; Privacy (Kieron O'Hara, ECS)</td>
<td>Plagiarism &amp; copyright</td>
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<td>9:</td>
<td>Apr 27th</td>
<td>The Future of Web Science and Your Future (Wendy Halll, Professor of Computing)</td>
<td>External Lecture: Journalism and the Web (Martin Moore, Director of Media Standards Trust)</td>
<td>Redraw the Tim Berners-Lee Map of the Web</td>
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<td>10:</td>
<td>May 4th</td>
<td>Review of Course Topics</td>
<td>Coursework Assistance Tutorials</td>
<td>Coursework Assistance Tutorials</td>
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- Assessment: 100% coursework (ie no exam)

Wiki
Semantic Wiki
Blogs
Facebook Pages
Podcasts
Del.icio.us
Diggs