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Course Schedule & Assigned Readings

Week	Date	Topics & Readings
1	January 14	<ul style="list-style-type: none"> • The Science of Information Visualization • Ware, Chapter 1 • Fallman, 2003 [3], Van Wijk, 2005 [25], Fekete et al., 2008 [4]
2	January 21	<ul style="list-style-type: none"> • Taxonomies of InfoVis • Shneiderman, 1996 [20], Tory & Möller, 2004 [24] • Colour Theory • Ware, Chapters 3–4 • Stone, 2005 [22]
3	January 28	<ul style="list-style-type: none"> • Location, Shape, Size, & Texture • Ware, Chapters 5–6 • Mackinlay, 1987 [14]
4	February 4	<ul style="list-style-type: none"> • Space Perception • Ware, Chapter 8
5	February 11	<ul style="list-style-type: none"> • High Dimensional InfoVis • Keim, 2001 [10], Fua et al., 1999 [5], Sprenger et al., 2000 [21] • Time-Series InfoVis • Müller & Schumann, 2003 [15], Harve et al., 2002 [6]
6	February 18	<ul style="list-style-type: none"> • Tree-Based InfoVis • Lamping & Rao, 1986 [13], Zhao et al., 2005 [28] • Graph-Based InfoVis • Herman et al., 2000 [9], Heer & boyd, 2005 [8]
7	February 25	<ul style="list-style-type: none"> • Midterm Break: February 23 – 25 • no lecture
8	March 4	<ul style="list-style-type: none"> • Geography-Based InfoVis • Ware, Chapter 7.5 • Andrienko et al., 2007 [1], Wood et al., 2007 [27] • Text-Based InfoVis • Wise et al., 1995 [26], Hearst, 1995 [7], Paek et al., 2004 [17]

Week	Date	Topics & Readings
9	March 11	<ul style="list-style-type: none"> • Project Presentations
		<ul style="list-style-type: none"> • Human Vision and Cognitive Activities • Ware, Chapters 2 & 10 • Tory & Möller, 2004 [23]
10	March 18	<ul style="list-style-type: none"> • Evaluating InfoVis Systems • Carpendale, 2008 [2], Rester & Pohl, 2006 [19], Plaisant, 2004 [18]
		<ul style="list-style-type: none"> • Design of User Studies • Barnum, Chapters 5-6
11	March 25	<ul style="list-style-type: none"> • Conducting User Studies & Analyzing Results • Barnum, Chapters 7-8
		<ul style="list-style-type: none"> • Communicating InfoVis Results • Munzner, 2008 [16]
12	April 1	<ul style="list-style-type: none"> • Project Demos
		<ul style="list-style-type: none"> • Visual Analytics • Keim et al., 2006 [12], Keim et al., 2008 [11]
13	April 7	<ul style="list-style-type: none"> • Final Review

The Office of the Registrar will schedule the **Final Exam** between Wednesday, April 13 and Friday, April 22, 2009. The exam will be comprehensive, with extra weight given to the topics covered after the midterm.

All assignments are due prior to the beginning of the class on the specified dates. Late submissions will not be accepted. Each assignment must be submitted both physically (printed and handed in at the beginning of class) and electronically (via Desire2Learn, <https://online.mun.ca/>).

All grades will be assigned according to the 2008/2009 University Calendar (Section 4.8 under General Regulations and Section 1.2.7.1 under School of Graduate Studies).

- "A" (80 – 100%) indicates excellent performance with clear evidence of:
 - comprehensive knowledge of the subject matter and principles treated in the course,
 - a high degree of originality and independence of thought,
 - a superior ability to organize and analyze ideas, and
 - an outstanding ability to communicate.
- "B" (65 – 79%) indicates good performance with evidence of:
 - substantial knowledge of the subject matter,
 - a moderate degree of originality and independence of thought,
 - a good ability to organize and analyze ideas, and
 - an ability to communicate clearly and fluently.
- "C" (55 – 64%) indicates satisfactory performance with evidence of:
 - an acceptable grasp of the subject matter,
 - some ability to organize and analyze ideas, and
 - an ability to communicate adequately.
- "D" (50 – 54%) indicates minimally acceptable performance with evidence of:
 - rudimentary knowledge of the subject matter,
 - some evidence that organizational and analytical skills have been developed, but with significant weaknesses in some areas, and
 - a significant weakness in the ability to communicate.
- "F" (below 50%) indicates failing performance with evidence of:
 - an inadequate knowledge of the subject matter,
 - failure to complete required work,
 - an inability to organize and analyze ideas, and
 - an inability to communicate.