

Schedule and Assigned Readings PSYCH 394
Research in Cognition and Perception
Psychology 394
Winter 2008
Section 2, 10:30-12:20 Mon/Wed

The course has no textbook. Our readings consist of primary source materials (journal articles and the odd chapter).

Date	Topics and Articles
Mon January 7	Review the syllabus
Wed January 9	I will sketch the outlines of a general framework that we will use throughout the term, pose some questions, and briefly discuss why (a) we might want to study individual subjects rather than groups of subjects when considering brain damaged performance (but why not intact subjects?), and (b) the issue of associations versus dissociations in performance, and double dissociations versus single dissociations. Following this, presentations will be assigned.
Mon January 14	<p>Topic: Letter-by-Letter Dyslexia Rayner, & Johnson, (2005) Letter-by-letter acquired dyslexia is due to the serial encoding of letters. <i>Psychological Science</i>, 16, 535-541 Presented by: Krystina Fiset, Arguin, Bub, Humphreys, & Riddoch (2005). How to make the word length effect disappear in letter-by-letter dyslexia: Implications for an account for the disorder, <i>Psychological Science</i>, 16, 535-541. Presented by: Nova</p>
Wed January 16 Quiz	<p>Topic: Surface Dyslexia Coltheart, Byng, Masterson, Prior & Riddoch. (1983). Surface Dyslexia. <i>Quarterly Journal of Experimental Psychology</i>, 35A, 481-495 Presented by: Will Funnel, E. (1983). Phonological processes in Reading: New evidence from acquired dyslexia. <i>British Journal of Psychology</i>, 74, 159-180. Presented by: Melissa</p>
Mon January 21	<p>Topic: Deep Dyslexia Morton, & Patterson (1980) A new attempt at an interpretation, or, an attempt at a new interpretation. In M. Colheart, K.E. Patterson & J.C. Marshall (Eds.) <i>Deep dyslexia</i> (pp. 91–118). London: Routledge & Kegan Paul. Presented by: Rachel Coltheart, M. (1983). The right hemisphere and disorders of reading. In A. Young (Ed.) <i>Functions of the right cerebral hemisphere</i>. New York: Academic Press. Presented by: Elena</p>
Wed January 23 Quiz	<p>Overview of the DRC Model as it relates to understanding the acquired dyslexias: Presented by: Derek Besner</p>

Mon January 28	<p>Topic: Skilled Readers: Length and Neighbourhood Density Effects Weekes, B. (1997). Differential effects of number of letters on word and nonword naming latency. <i>The Quarterly Journal of Experimental Psychology</i>, 50A, 439-456. Presented by: Caela</p> <p>Andrews, S. (1992). Frequency and neighbourhood effects on lexical access: Lexical similarity or orthographic redundancy? <i>Journal of Experimental Psychology: Learning, Memory and Cognition</i>, 18, 234-254. Presented by: Leah</p>
Wed January 30	Test 1
Mon February 4	<p>Topic: Neighbourhood Density Effects in Reading Aloud Reynolds, & Besner (2002). Neighbourhood density effects in reading aloud: New insights from simulations with the DRC model. <i>Canadian Journal of Experimental Psychology</i>, 56, 310-318. Presented by: Ashleigh</p> <p>Mulatti, Reynolds, & Besner (2006) Neighbourhood effects in reading aloud: New findings and new challenges for computational models. <i>Journal of Experimental Psychology: Human Perception and Performance</i>, 32, 799-810. Presented by: Molly</p>
Wed February 6	<p>Topic: Whammies and Regularity x Serial Position Rastle, & Coltheart (1998). Whammies and double whammies: the effect of length on nonword reading. <i>Psychonomic Bulletin and Review</i>, 5, 277-282. Presented by: Caylie</p> <p>Roberts, Rastle, Coltheart & Besner. (2003). When parallel processing in visual word recognition is not enough: New evidence from naming. <i>Psychonomic Bulletin & Review</i>, 10, 405-414. Presented by: Ashley</p>
Mon February 11	<p>Topic: Pseudohomophones McCann, & Besner (1987). Reading pseudohomophones: Implications for models of pronunciation assembly and the locus of word-frequency effects in naming. <i>Journal of Experimental Psychology: Human Perception and Performance</i>, 13, 14-24. Presented by: Mark H.</p> <p>Taft & Russell (1992). Pseudohomophone naming and the word frequency effect. <i>The Quarterly Journal of Experimental Psychology</i>, 4, 51-71. Presented by: Zhaleh</p>
Wed February 13	<p>Overview of Additivity and Discrete vs. Cascaded/IA processing: Besner & Roberts (2003). Reading nonwords aloud: Results requiring change in the dual route cascaded model. <i>Psychonomic Bulletin & Review</i>, 10, 398-404. Presented by: Derek Besner</p>
Mon February 18	Reading Week – no class
Wed February 20	Reading Week – no class

<p>Mon February 25</p>	<p>Topic: Discrete vs. Cascaded/Interactive Activation O'Malley, Reynolds & Besner (2007). Qualitative differences between the joint effects of stimulus quality and word frequency in reading aloud and lexical decision: Extensions to Yap and Balota (2007). <i>Journal of Experimental Psychology: Learning, Memory and Cognition</i>, 33, 451-458. Presented by: Lucy O'Malley & Besner. (2008) Reading Aloud: Qualitative differences in the relation between stimulus quality and word frequency as a function of context. <i>Journal of Experimental Psychology: Learning, Memory and Cognition</i> (submitted). Presented by: Mark L</p>
<p>Wed February 27</p> <p>Quiz</p>	<p>Topic: Automaticity and Consciousness Cheesman, & Merikle (1984). Priming without awareness. <i>Perception & Psychophysics</i>, 36, 387-395. Presented by: Amy Cheesman, & Merikle (1986). Distinguishing conscious from unconscious perceptual processes. <i>Canadian Journal of Psychology</i>, 40, 343-367. Presented by: Hany</p>
<p>Mon March 3</p>	<p>Topic: Automaticity Reconsidered Raz, Fan, & Posner (2005). Hypnotic suggestion reduces conflict in the human brain. <i>Proceedings of the National Academy of Sciences</i>, 102, 9978-9983. Presented by: Anna Manwell, Roberts & Besner (2004). Single letter coloring and spatial cueing eliminates a semantic contribution to the Stroop effect. <i>Psychonomic Bulletin & Review</i>, 11, 458-462. Presented by: Kate</p>
<p>Wed March 5</p>	<p>Test 2</p>
<p>Mon March 10</p>	<p>Topic: Is There Pathway Control? Tabossi, & Laghi (1992). Semantic priming in the pronunciation of words in two writing systems: Italian and English. <i>Memory & Cognition</i>, 20, 303-313. Presented by: Cristina Lupker, Brown, & Colombo (1997) Strategic control in a naming task; Changing routes or changing deadlines? <i>Journal of Experimental Psychology: Learning, Memory and Cognition</i>, 23, 570-590 Presented by: Elena</p>
<p>Wed March 12</p> <p>Quiz</p>	<p>Topic: Pathway Control Continued Kinoshita, and Lupker (2007) Switch costs when reading aloud words and nonwords: Evidence for shifting route emphasis? <i>Psychological Bulletin & Review</i>, 14, 3, 449-454. Presented by: Mark L. Reynolds, and Besner (2008) Contextual effects on reading aloud: Evidence for pathway control. <i>Journal of Experimental Psychology: Learning, Memory & Cognition</i>, (in press). Presented by: Teaching Staff</p>

<p>Mon March 17</p>	<p>Topic: Spatial Attention McCann, Folk, & Johnston (1992). The role of spatial attention in visual word recognition. <i>Journal of Experimental Psychology: Human Perception & Performance</i>, 18, 1015-1029. Presented by: Jennifer Besner, Risko & Sklair (2005). Spatial attention as a necessary preliminary to early processes in reading. <i>Canadian Journal of Experimental Psychology</i>, 59, 99-108. Presented by: Mark H. Risko, Stolz, & Besner (2008) Spatial attention and visual word recognition: Development and test of an attenuation account. <i>Psychonomic Bulletin & Review</i> (submitted). Presented by: Teaching Staff</p>
<p>Wed March 19</p> <p>Quiz</p>	<p>Topic: Central Attention Reynolds, & Besner (2006) Reading aloud is not automatic: Processing capacity is required to generate a phonological code from print. <i>Journal of Experimental Psychology: Human Perception & Performance</i>, 32, 1303-1323. Presented by: Melissa O'Malley, Reynolds, Stolz & Besner. (2008) Reading Aloud: Spelling-Sound translation uses central attention. <i>Journal of Experimental Psychology: Learning, Memory and Cognition</i>, in press. Presented by: Nova</p>
<p>Mon March 24</p>	<p>Topic: Interpreting results from attention paradigms Johnston, McCann & Remington (1995). Chronometric evidence for two types of attention. <i>Psychological Science</i>, 36, 228-235. Presented by: Krystina Besner, Reynolds & O'Malley. (2008) When under-additivity of factor effect in the psychological refractory period paradigm implies a bottleneck: Evidence from Psycholinguistics. (submitted) Presented by: Derek Besner</p>
<p>Wed March 26</p> <p>Quiz</p>	<p>Topic: Lexical-Semantic Processing Neely, J. (1976). Semantic priming and retrieval from lexical memory: Evidence for facilitatory and inhibitory processes. <i>Memory & Cognition</i>, 4, 648-654. Presented by: Leah Ferguson, Robidoux & Besner (2008). Reading aloud: Evidence for contextual control over lexical activation (submitted). Presented by: Serje</p>
<p>Mon March 31</p>	<p>Topic: Ramachandran, V.S. (1995). Anaosognosia in Parietal Lobe Syndrome. <i>Consciousness and Cognition</i>, 4, 22-51. Presented by: Caylie</p>
<p>Wed April 2</p>	<p>Test 3</p>