

Schedule and Assigned Readings PSYCH 394
Research in Cognition and Perception
Psychology 394
Winter 2008
Section 1, 10:30-12:20 Tue/Thurs

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

Date	Topics and Articles
Tue January 8	Review the syllabus
Thurs January 10	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.
Tues January 15	<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: Scott</p> <p>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: Stefanie</p>
Thurs January 17 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: Alison</p> <p>Funnel, E. (1983). Phonological processes in Reading: New evidence from acquired dyslexia. <i>British Journal of Psychology</i>, 74, 159-180. Presented by: Kathleen</p>
Tues January 22	<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: Frank</p> <p>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: Sarah</p>
Thurs January 24 Quiz	<p>Overview of the DRC Model as it relates to understanding the acquired dyslexias: Presented by: Derek Besner</p>

Tues January 29	<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: Kory</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: Imran</p>
Thurs January 31	Test 1
Tues February 5	<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: Minella</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: Tabitha</p>
Thurs February 7 Quiz	<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: Samantha</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: Martha B.</p>
Tues February 12	<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: Colleen</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: Jessica</p>
Thurs February 14 Quiz	<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>
Tues February 19	Reading Week – no class
Thurs February 21	Reading Week – no class

Tues February 26	<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.</p> <p>Presented by: Valerie 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).</p> <p>Presented by: John</p>
Thurs February 28 Quiz	<p>Topic: Automaticity and Consciousness Cheesman, & Merikle (1984). Priming without awareness. <i>Perception & Psychophysics</i>, 36, 387-395.</p> <p>Presented by: Arijana Cheesman, & Merikle (1986). Distinguishing conscious from unconscious perceptual processes. <i>Canadian Journal of Psychology</i>, 40, 343-367.</p> <p>Presented by: Shannon</p>
Tues March 4	<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.</p> <p>Presented by: Martha S. 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.</p> <p>Presented by: Steph</p>
Thurs March 6	Test 2
Tues March 11	<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.</p> <p>Presented by: Ada 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</p> <p>Presented by: Valerie</p>
Thurs March 13 Quiz	<p>Topic: Pathway Control Continued Kinoshita, and Lupker (2007) Switch costs when reading aloud words and nonwords: Evidence for shifting route emphasis? <i>Psychonomic Bulletin & Review</i>, 14, 3, 449-454.</p> <p>Presented by: Tabitha Reynolds, and Besner (2008) Contextual effects on reading aloud: Evidence for pathway control. <i>Journal of Experimental Psychology: Learning, Memory & Cognition</i>, (in press).</p> <p>Presented by: Imran</p>

<p>Tues March 18</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: Sarah 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: Jessica 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: Frank</p>
<p>Thurs March 20</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: Heather 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: Alison</p>
<p>Tues March 25</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: Stefanie 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>Thurs March 27</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: Kathleen Ferguson, Robidoux & Besner (2008). Reading aloud: Evidence for contextual control over lexical activation (submitted). Presented by: Colleen</p>
<p>Tues April 1</p>	<p>Topic: Anosognosia Ramachandran, V.S. (1995). Anaosognosia in Parietal Lobe Syndrome. <i>Consciousness and Cognition</i>, 4, 22-51. Presented by: Martha S.</p>
<p>Thurs April 3</p>	<p>Test 3</p>