

**SEMINAR IN DEVELOPMENTAL PSYCHOLOGY**

**COURSE OUTLINE**

**PSYC 4010 section M (location: FC 103)  
 Summer 2016 (S2)  
 Tuesdays and Thursdays 2:30 pm - 5:30 pm**

**Instructor:** Dr. John G. Grundy  
**Office:** TEL 5030 G  
**Email:** [jggrundy@gmail.com](mailto:jggrundy@gmail.com)  
**Phone:** (416) 736-2100 ext. 22754

**Description:** We will focus largely on contemporary issues/debates concerning age-related cognitive changes and processing strategies employed by individuals in order to adapt to our continually changing environments. We will look at both behavioural and neural evidence from journal articles to examine changes in cognition across the lifespan.

Every week, students will read a few journal articles that we will all discuss and critically evaluate.

At the end of this course, students will take away critical writing, presentation, and communication skills that can be transferred to many academic and professional settings.

**Prerequisites:**

- AK/AS/HH/SC/PSYC 1010 6.00 or AK/HH/PSYC 2410 6.00, with a minimum grade of C;
- AK/AS/HH/SC/PSYC 2030 3.00 or AK/HH/PSYC 2530 3.00;
- One of AK/AS/HH/SC/PSYC 2021 3.00, AK/AS/HH/SC/PSYC 2020 6.00, AK/HH/PSYC 2510 3.00;
- AK/AS/HH/SC/PSYC 2110 3.00 or AK/HH/PSYC 3240 3.00.
- Course credit exclusions: AK/AS/HH/SC/PSYC 4010 6.00, AK/PSYC 4140 3.00 (prior to Summer 2002), GL/PSYC 4510 3.00.

**Course readings:** There is no textbook for this course. Articles will be assigned on a weekly basis. The following timetable contents are some of the topics and assigned readings (one or two additional articles may be assigned one week prior to the relevant class) for the course.

**Tentative schedule\***

<b>Date</b>	<b>Topic</b>	<b>Reading (s)</b>
June 28	Introduction	
June 30	Effects of bilingualism on development of dementia and cognitive function: We will discuss how lifelong experience with multiple languages can delay the onset of symptoms of dementia (e.g. Alzheimer's) and discuss reasons for why this	<ul style="list-style-type: none"> <li>• Alladi et al. (2013). Bilingualism delays age at onset of dementia, independent of education and immigration status (<i>Neurology</i>, 81, 1938–1944.)</li> <li>• Bialystok, E., Craik, F. I., &amp; Freedman, M. (2007). Bilingualism as a protection against the onset of symptoms of dementia. <i>Neuropsychologia</i>, 45(2), 459-</li> </ul>

	happens (e.g. functional vs. structural brain changes).	464.
July 5	Effects of bilingualism on development of cognition in early life: We will discuss how bilingualism influences cognitive function in the early years of life (infancy and childhood), including both advantages and disadvantages.	<ul style="list-style-type: none"> <li>• Kovács, Á. M., &amp; Mehler, J. (2009). Cognitive gains in 7-month-old bilingual infants. <i>Proceedings of the National Academy of Sciences</i>, 106(16), 6556-6560.</li> <li>• Pons, F., Bosch, L., &amp; Lewkowicz, D. J. (2015). Bilingualism modulates infants' selective attention to the mouth of a talking face. <i>Psychological Science</i>, 26, 490-498.</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• Singh, L., Fu, C. S., Rahman, A. A., Hameed, W. B., Sanmugam, S., Agarwal, P., ... &amp; Rifkin-Graboi, A. (2015). Back to basics: a bilingual advantage in infant visual habituation. <i>Child development</i>, 86(1), 294-302.</li> </ul>
July 7	Development of emotion and motivation: We will discuss how emotion and motivation develop and why.	<ul style="list-style-type: none"> <li>• Batson, C. D., Duncan, B. D., Ackerman, P., Buckley, T., &amp; Birch, K. (1981). Is empathic emotion a source of altruistic motivation?. <i>Journal of Personality and Social Psychology</i>, 40(2), 290-302.</li> <li>• Fehr, E., &amp; Gächter, S. (2002). Altruistic punishment in humans. <i>Nature</i>, 415(6868), 137-140.</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• Egas, M., &amp; Riedl, A. (2008). The economics of altruistic punishment and the maintenance of cooperation. <i>Proceedings of the Royal Society of London B: Biological Sciences</i>, 275(1637), 871-878.</li> </ul>
July 12	Development of self-esteem (part 1): We will examine how self-worth and self-evaluation change across the lifespan, including how low self-esteem in childhood/adolescence may influence problems later in life.	<ul style="list-style-type: none"> <li>• Steiger, A. E., Allemand, M., Robins, R. W., &amp; Fend, H. A. (2014). Low and decreasing self-esteem during adolescence predict adult depression two decades later. <i>Journal of personality and social psychology</i>, 106(2), 325.</li> <li>• Brown, J. D., &amp; Marshall, M. A. (2001). Self-esteem and emotion: Some thoughts about feelings. <i>Personality and Social Psychology Bulletin</i>, 27(5), 575-584.</li> </ul> <p><i>Recommended:</i></p>

		<ul style="list-style-type: none"> <li>• Wilcox, K., &amp; Stephen, A. T. (2013). Are close friends the enemy? Online social networks, self-esteem, and self-control. <i>Journal of Consumer research</i>, 40(1), 90-103.</li> </ul>
July 14	Development of self-esteem (part 2): We will examine how implicit and explicit self-esteem develop and discuss the emerging controversy revolving around the idea that implicit and explicit self-esteem measures are not measuring two constructs, but instead measuring the same construct in two different ways.	<ul style="list-style-type: none"> <li>• Greenwald, A. G., &amp; Farnham, S. D. (2000). Using the implicit association test to measure self-esteem and self-concept. <i>Journal of personality and social psychology</i>, 79(6), 1022.</li> <li>• Olson, M. A., Fazio, R. H., &amp; Hermann, A. D. (2007). Reporting Tendencies Underlie Discrepancies Between Implicit and Explicit Measures of Self-Esteem. <i>Psychological Science</i>, 18(4), 287–291.</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• Koole, S. L., Govorun, O., Cheng, C. M., &amp; Gallucci, M. (2009). Pulling yourself together: Meditation promotes congruence between implicit and explicit self-esteem. <i>Journal of Experimental Social Psychology</i>, 45(6), 1220–1226.</li> </ul>
July 19	Development in the brain (part 1): We will examine changes in the developing brain and their implications, including the development of psychopathology later in life	<ul style="list-style-type: none"> <li>• Gogtay, N., Giedd, J. N., Lusk, L., Hayashi, K. M., Greenstein, D., Vaituzis, A. C., ... &amp; Rapoport, J. L. (2004). Dynamic mapping of human cortical development during childhood through early adulthood. <i>Proceedings of the National Academy of Sciences of the United States of America</i>, 101(21), 8174-8179.</li> <li>• Wolff, J. J., Gu, H., Gerig, G., Elison, J. T., Styner, M., Gouttard, S., ... &amp; Evans, A. C. (2014). Differences in white matter fiber tract development present from 6 to 24 months in infants with autism. <i>American Journal of Psychiatry</i>, 169(6), 589-600.</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• Vanhatalo &amp; Kaila (2006). Development of neonatal EEG activity: From phenomenology to physiology, <i>Seminars in Fetal and Neonatal Medicine</i>, 11(6), 471-478.</li> </ul>
July 21	Early attachment styles and later relationships: We will discuss how attachment styles	<ul style="list-style-type: none"> <li>• Simpson, J. A. (1990). Influence of attachment styles on romantic relationships. <i>Journal of personality and</i></li> </ul>

	<p>to caregivers in infancy affects adult romantic relationships</p>	<p><i>social psychology</i>, 59(5), 971-980.</p> <ul style="list-style-type: none"> <li>• Drouin, M., Miller, D. A., &amp; Dibble, J. L. (2014). Ignore your partners' current Facebook friends; beware the ones they add!. <i>Computers in Human Behavior</i>, 35, 483-488.</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• Clayton, R. B., Nagurney, A., &amp; Smith, J. R. (2013). Cheating, breakup, and divorce: is Facebook use to blame?. <i>Cyberpsychology, Behavior, and Social Networking</i>, 16(10), 717-720.</li> </ul>
<p>July 26</p>	<p>Development of consciousness: We will discuss the contents of consciousness, the extent to which these contents emerge in a reflex-like manner, and how self-perception and conscious thought develop in early infancy.</p>	<ul style="list-style-type: none"> <li>• Allen, A. K., Wilkins, K., Gazzaley, A., &amp; Morsella, E. (2013). Conscious thoughts from reflex-like processes: A new experimental paradigm for consciousness research. <i>Consciousness and cognition</i>, 22(4), 1318-1331.</li> <li>• Trevarthen, C. (2011). What is it like to be a person who knows nothing? Defining the active intersubjective mind of a newborn human being. <i>Infant and Child Development</i>, 20(1), 119-135.</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• Baars, B. J., Ramsøy, T. Z., &amp; Laureys, S. (2003). Brain, conscious experience and the observing self. <i>Trends in neurosciences</i>, 26(12), 671-675.</li> </ul>
<p>July 28</p>	<p>Development of body image: We will discuss how body image develops and how societal norms and pressures play a pivotal role.</p>	<ul style="list-style-type: none"> <li>• Pope, H. G., Olivardia, R., Gruber, A., &amp; Borowiecki, J. (1999). Evolving ideals of male body image as seen through action toys. <i>International Journal of Eating Disorders</i>, 26(1), 65-72.</li> <li>• Wardle, J., Bindra, R., Fairclough, B., &amp; Westcombe, A. (1993). Culture and body image: Body perception and weight concern in young Asian and Caucasian British women. <i>Journal of Community &amp; Applied Social Psychology</i>, 3(3), 173-181.</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• Young, A. F., Gabriel, S., &amp; Hollar, J. L. (2013). Batman to the rescue! The protective effects of parasocial relationships with muscular superheroes on men's body image. <i>Journal of Experimental Social Psychology</i>, 49(1),</li> </ul>

		173-177.
August 2	Class choice topic	TBA one week prior
August 4	Wrap-up class and summary	

**Evaluation\*:**

- **Weekly quizzes: 20%**
  - At the beginning of each class, short quizzes will be administered based on the previous week's readings and presentations (beginning July 5<sup>th</sup>).
- **Short papers (x2): 40%**
  - Students will be required to write short papers (2 pages double-spaced) that briefly discuss potential problems and/or possible future directions for one of the relevant articles of that week (x 2). These must be handed in at the beginning of the class discussing the target article.
- **Presentation: 20%**
  - Each student will be required to give a 20-min powerpoint presentation based on the assigned readings that summarizes and critically evaluates the articles for a particular week.
- **Participation in class: 20%**
  - In each class, students can get up to 3 points for participation: 1 for showing up to class, 1 for speaking up once, and an additional 1 point for speaking up twice. Thus, if you come to all the classes and speak up at least 2 times, you will get an easy 20%!

**University policies**

All students should familiarize themselves with the following policies on academic honesty:

<http://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/>

\*Note: The schedule and evaluation are subject to change based on the instructor's discretion.