

## PSYC30019 Development of the Thinking Child

<b>Credit Points:</b>	12.50
<b>Level:</b>	3 (Undergraduate)
<b>Dates &amp; Locations:</b>	2011, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 36 hours Total Time Commitment: Estimated total time commitment for this subject is 120 hours.
<b>Prerequisites:</b>	No prerequisites are required for this subject
<b>Corequisites:</b>	No corequisites subjects are required for this subject
<b>Recommended Background Knowledge:</b>	Prior coursework in at least two Level 2 psychology subjects, including Cognitive Psychology and/or Developmental Psychology, is recommended. Level 2 psychology subjects are: Biological Psychology, Cognitive Psychology, Developmental Psychology, and Personality & Social Psychology.
<b>Non Allowed Subjects:</b>	512370 Cognitive and Neuropsychological Development 3
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards of Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit Website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
<b>Coordinator:</b>	Assoc Prof Robert Reeve
<b>Contact:</b>	Psychology 12th floor Redmond Barry Building (Building 115 Map) Telephone: + 61 3 8344 6377 Email: <a href="mailto:enquiries@psych.unimelb.edu.au">enquiries@psych.unimelb.edu.au</a> Web: <a href="http://psych.unimelb.edu.au">http://psych.unimelb.edu.au</a>
<b>Subject Overview:</b>	<p>In developmental science the interaction between nature and nurture takes centre stage in answering questions about the reasons for variability in the emergence and growth of children's cognitive abilities. Recent advances in cognitive and neuropsychological assessment procedures provide new ways of understanding changes in typical and atypical development.</p> <p>This subject examines the development of preadolescent children's thinking abilities: specifically, the significance of cognitive, neurological and neuropsychological factors in typical and atypical development. Current research on developmental plasticity and sensitive periods in development will be reviewed. Special attention will be paid to the prenatal and postnatal development of the central nervous system, as well as the impact of neurological insult on children's cognitive development. Of particular interest are the challenges associated with assessing the changing nature of children's cognitive competencies (e.g., executive functioning, reasoning, working memory, theory of mind, attention, planning and strategic skills), as well as how these are manifest in children with specific disorders (e.g., ADHD) or with particular physical difficulties (e.g., deaf and blind children). Special attention will be paid to the development of language, reading, number and mathematical abilities, focusing specifically on the diagnosis and remedial interventions of children with dyscalculia and dyslexia.</p>
<b>Objectives:</b>	<p>The subject aims to:</p> <ul style="list-style-type: none"><li># to critically evaluate perspectives on the relationship between cognitive and neuropsychological development</li></ul>

	<ul style="list-style-type: none"> <li># to evaluate the adequacy of research methods used to study cognitive-neuropsychological developmental issues</li> <li># to interpret cognitive-neuropsychological development research data</li> <li># to understand analytic issues associated with studying variability in development</li> <li># to describe typical and atypical developmental patterns and change trajectories</li> <li># to review contemporary analytic methods for assessing developmental change</li> <li># to construct meaningful research hypotheses about cognitive-neuropsychological development</li> <li># to write lab reports that reflect an understanding of core issues in cognitive-neuropsychological development</li> </ul>
<b>Assessment:</b>	Three written laboratory reports of 1000 words each (33% each) to be submitted during semester. Each piece of assessment must be completed (hurdle requirement). Attendance of at least 80% of the laboratory classes is a hurdle requirement. In case of failure to meet the hurdle requirement, additional work will be required before a passing grade can be awarded.
<b>Prescribed Texts:</b>	No prescribed texts.
<b>Breadth Options:</b>	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> <li># <b>Bachelor of Arts</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-ARTS">https://handbook.unimelb.edu.au/view/2011/B-ARTS</a>)</li> <li># <b>Bachelor of Commerce</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-COM">https://handbook.unimelb.edu.au/view/2011/B-COM</a>)</li> <li># <b>Bachelor of Environments</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-ENVS">https://handbook.unimelb.edu.au/view/2011/B-ENVS</a>)</li> <li># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-MUS">https://handbook.unimelb.edu.au/view/2011/B-MUS</a>)</li> </ul> <p>You should visit <b>learn more about breadth subjects</b> (<a href="http://breadth.unimelb.edu.au/breadth/info/index.html">http://breadth.unimelb.edu.au/breadth/info/index.html</a>) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<p>Students in this subject will be given appropriate opportunity and educational support to develop the following skills to:</p> <ul style="list-style-type: none"> <li># integrate and differentiate theoretical approaches in order to develop an understanding of contemporary issues</li> <li># relate theory to practice</li> <li># discern and manipulate relationships between theoretical and methodological claims</li> <li># present, develop and support an argument for a position and anticipate criticism</li> </ul>
<b>Related Course(s):</b>	Bachelor of Science Graduate Diploma in Psychology
<b>Related Majors/Minors/Specialisations:</b>	Psychology Psychology Psychology Major Science credit subjects* for pre-2008 BSc, BASc and combined degree science courses
<b>Related Breadth Track(s):</b>	The Nature of Human Development