

Cognitive Science Program

Department of Philosophy

Undergraduate Program Office
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TABLE OF CONTENTS

1. Cognitive Science Contact Information	3
2. Cognitive Science Faculty Contact Information	3 – 9
3. What is the Cognitive Science Program?	10
4. Why Major in Cognitive Science?	10
5. Career Options	11
6. Cognitive Science Speaker Series	11
7. Research Areas/Interests within the Program	12
8. Cognitive Science Students' Association	12
9. Specialized Honours BA	13
10. Specialized Honours BA Degree Requirements	14 – 16
11. Honours Programs/Degree Options	17
12. Courses and Course Outlines:	18
A. Core Courses (30 credits)	19 – 25
B. Lower-level Computer Science, Information Technology, Linguistics, Philosophy, Psychology (6 credits)	26 – 42
C. Mid-level Computer Science, Linguistics, Psychology, Philosophy (9 credits)	43 – 52
D. Upper-level Computer Science, Linguistics, Psychology, Philosophy (6 credits)	53 – 60
13. Academic Honesty	61
14. Degree Requirements Checklist	62 – 65

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COGNITIVE SCIENCE FACULTY

NAME	FACULTY	ROOM	EXT.	EMAIL
Adler, Scott A. RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Infant cognition ▪ Vision ▪ Developmental psychology 	Psychology, HH	BSB 333	33389	adler@yorku.ca Website: http://vcdp.blog.yorku.ca/
Alboiu, Gabriela RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Control phenomenon ▪ Argument structure ▪ Structural encodings of discourse properties 	Languages, Literatures And Linguistics, AP	Ross S555	20302	galboiu@yorku.ca Website: www.yorku.ca/galboiu/
Allison, Robert RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Human-computer interaction ▪ Virtual reality ▪ Machine vision ▪ Perception of human motion 	Computer Science, SC Center for Vision Research	Lassonde 3051	20192	allison@cse.yorku.ca Website: www.cse.yorku.ca/~allison/
Andrews, Kristin RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Comparative cognitive science ▪ Animal cognition ▪ Moral psychology ▪ Social cognition ▪ Folk psychology 	Philosophy, AP	Ross S420	77590	andrewsk@yorku.ca Website: www.yorku.ca/andrewsk
Baljko, Melanie RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Multimodal communication ▪ Augmentative and alternative communication, ▪ Adaptive interfaces, ▪ Computational stylistics, ▪ Computer-supported collaborative writing ▪ Women in computer science 	Computer Science, SC	Lassonde 2028	33348	mb@cse.yorku.ca Website: www.cse.yorku.ca/~mb/

<p>Beck, Jacob</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Philosophy of cognitive science ▪ Mental representation ▪ Nonconceptual content ▪ Animal cognition ▪ Conceptual learning 	Philosophy, AP	Ross S439	22582	<p>jbeck@yorku.ca</p> <p>Website: www.yorku.ca/jbeck/</p>
<p>Bialystok, Ellen</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Developmental-cognitive ▪ General experimental ▪ Second-language acquisition ▪ Development of symbolic skills such as language, number and spatial cognition in preschool and school-age children. 	Psychology, HH	BSB 234	66109	<p>ellenb@yorku.ca</p> <p>Website: http://lcad.lab.yorku.ca/</p>
<p>Deery, Oisín</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> • Philosophy of mind and action • Moral psychology • Philosophy of artificial intelligence 	Philosophy, AP	RS 442	77593	<p>deery@yorku.ca</p> <p>Website: https://www.oisindeery.com/</p>
<p>Desrocher, Mary</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Paediatric neuropsychology ▪ Normative studies of memory functioning through the lifespan ▪ The functioning of the hippocampus and frontal lobes in normal and altered development 	Psychology, HH	BSB 124	33111	<p>mdesroch@yorku.ca</p>
<p>Elder, James</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Visual perception ▪ Psychological and computational methods ▪ Neural modeling 	Psychology, HH	Lassonde 0003G	66475	<p>jelder@yorku.ca</p> <p>Website: elderlab.yorku.ca/~elder/</p>
<p>Fallah, Mazyar</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Systems neuroscience ▪ Cognitive neuroscience ▪ Neurophysiology ▪ Attention, perception 	KINE, HH	HNES 428D	21479	<p>mfallah@yorku.ca</p> <p>Website: www.yorku.ca/mfallah/</p>
<p>Frued, Erez</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Neural basis of object recognition ▪ Visuomotor control ▪ Neuropsychology 	Psychology, HH	SHR 1008	33451	<p>efreud@yorku.ca</p> <p>Website: http://psyc.info.yorku.ca/health-profiles/index.php?dept=&mid=1703420</p>
<p>Goel, Vinod</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Cognitive and neural basis of rational decision-making ▪ Emotional processing 	Psychology, HH	BSB 332	66150	<p>vgoel@yorku.ca</p> <p>Website: www.yorku.ca/vgoel/</p>

Gottschling, Verena RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Philosophy of psychology ▪ Philosophical foundations of cognitive science 	Philosophy, AP	Ross S444	44722	vgott@yorku.ca Website: www.gottschling-net.de/
Green, Chris RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ History of psychology ▪ Theoretical cognitive science 	Psychology, HH	BSB 286	66164	christo@yorku.ca Website: www.yorku.ca/christo/
Gryz, Jarek RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Maximal vector computation ▪ Query sampling ▪ Query optimization via data mining ▪ Semantic query caching 	Computer Science, SC	Lassonde 3026	55053	jarek@cse.yorku.ca Website: www.cse.yorku.ca/~jarek/
Harris, Laurence RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Vision ▪ Vestibular system ▪ Eye and head movements ▪ Control systems ▪ Neurophysiology ▪ Perception of motion ▪ Psychophysics ▪ Multi-sensory interaction 	Psychology, HH	BSB 296	55116	harris@yorku.ca Website: www.yorku.ca/harris/
Hattiangadi, Jagdish RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Philosophy of science ▪ Philosophy of language ▪ History of ideas ▪ Metaphysics ▪ Epistemology 	Philosophy, AP	Ross S437	77524	jagdish@yorku.ca Website: http://www.yorku.ca/jagdish/
Huang, Jimmy RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Information retrieval, data mining ▪ Natural language processing ▪ Computational linguistics 	ITEC, AP	TEL 3048	30149	jhuang@yorku.ca Website: www.yorku.ca/jhuang
Huss, Brian RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Psychology of logical reasoning ▪ Doxastic voluntarism ▪ Moral psychology 	Philosophy, AP	Ross S414	33634	huss@yorku.ca
Jackman, Henry RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Philosophy of language ▪ Philosophy of mind ▪ Epistemology ▪ American pragmatism 	Philosophy, AP	Ross S434	77595	hjackman@yorku.ca Website: www.jackman.org
Jenkin, Michael RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Computer vision ▪ Virtual reality ▪ Mobile robotics 	Computer Science, SC	Lassonde 3032	33162	jenkin@cse.yorku.ca Website: www.cs.yorku.ca/~jenkin/

Johnson, Janice M. RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Developmental-cognitive ▪ General experimental ▪ Cognition ▪ Psycholinguistics ▪ Cognitive process analysis 	Psychology, HH	BSB 246	66214	janicej@yorku.ca
Jopling, David RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Philosophy of psychology ▪ Continental philosophy 	Philosophy, AP	S435 Ross	77588	jopling@yorku.ca
Khalidi, Muhammad Ali RESEARCH AREA/INTEREST <ul style="list-style-type: none"> ▪ Philosophy of cognitive science ▪ Philosophy of mind and language ▪ Innateness, domain specificity, concepts 	Philosophy, AP	Ross S438	77586	khalidi@yorku.ca Website: www.yorku.ca/khalidi/
Lande, Kevin RESEARCH AREA/INTEREST <ul style="list-style-type: none"> • Philosophy of cognitive science • Philosophy of perception • Mental representation • Perceptual organization, • Shape and object perception 	Philosophy, AP	Ross 443	77594	lande@yorku.ca Website: http://www.kevinlande.com/
Lesperance, Yves RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Knowledge representation ▪ Autonomous agents and multi-agent systems ▪ Cognitive robotics 	Computer Science, SC	Lassonde 3052A	70146	mlesperan@cse.yorku.ca Website: www.cse.yorku.ca/~lesperan/
MacDonald, Suzanne RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Comparative cognition ▪ Spatial cognition ▪ Language and communication 	Psychology, HH	BSB 297	66226	suzmac@yorku.ca Website: http://suzannemacdonald.ca/
Manafu, Alexandru RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Philosophy of Science ▪ Metaphysics of Science 	Philosophy, AP	Ross S414A	33636	alexman@yorku.ca Website: http://profiles.laps.yorku.ca/profiles/alexman/
Mar, Raymond RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Cognitive effects of narrative fiction ▪ Social cognition ▪ Autobiographical memory 	Psychology, HH	BSB 293	66226	mar@yorku.ca Website: www.yorku.ca/mar/
Murray, Richard RESEARCH AREA/INTERESTS: <ul style="list-style-type: none"> ▪ Perceptual psychology ▪ Visual psychophysics ▪ Perceptual organization ▪ Three-dimensional shape perception 	Psychology, HH Centre for Vision Research	Lassonde 0009	23025	rfm@yorku.ca Website: www.yorku.ca/rfm/

<p>Murtha, Susan</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Cognitive impairment ▪ Aging ▪ Memory 	Psychology, HH	BSB 217	66132	smurtha@yorku.ca
<p>Narayan, Chandan</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Acoustic-phonetics ▪ Speech Perception ▪ Language acquisition ▪ Psycholinguistics 	DLLL, AP	Ross 546A	33791	chandann@yorku.ca Website: http://sap.lab.yorku.ca/
<p>Park, Norman</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Cognitive and neuropsychological processes associated with perceiving and remembering ▪ Attention and Memory 	Psychology, HH	BSB 213	22159	npark@yorku.ca
<p>Pascual-Leone, Juan</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Developmental and cognitive processes 	Psychology, HH	BSB 402C	66148	juanpl@yorku.ca
<p>Pelham, Judy</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Logic ▪ Logical truth ▪ The logic of conditionals 	Philosophy, AP	Ross S440	77591	pelham@yorku.ca Website: http://www.yorku.ca/pelham/
<p>Rich, Jill</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Clinical, semantic memory, implicit memory and prospective memory ▪ Memory processing in normal aging and dementia ▪ Cognitive processes ▪ Neural basis of behaviour 	Psychology, HH	BSB 248A	30561	jbr@yorku.ca Website: www.yorku.ca/jbr/
<p>Rini, Regina</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Ethics ▪ Psychology ▪ Moral Cognition ▪ Social Epistemology 	Philosophy, AP	Ross S416		rarini@yorku.ca Website: https://reginarini.net/
<p>Rosenbaum, Shayna</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Clinical neuropsychology and cognitive neuroscience ▪ Cognitive and neural basis of remote memory (spatial, episodic, semantic) and mental state attributions ▪ Lesion and fMRI methods 	Psychology, HH	AC 041	20449	shaynar@yorku.ca Website: www.yorku.ca/shaynar/index.htm
<p>Russon, Anne</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Comparative studies of nonhuman primates ▪ Infant social and cognitive 	Psychology, GL	Glendon York Hall, 165	88363	arusson@glendon.yorku.ca Website: www.yorku.ca/arusson/

<ul style="list-style-type: none"> ▪ development ▪ Imitation ▪ Tool use ▪ Social vs. ecological intelligence ▪ The evolution of primate intelligence 				
<p>Sergio, Lauren</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Behavioural and electromyographic studies of multi-joint movement coordination ▪ Neural mechanisms underlying visually guided reaching in parietal and precentral cortex ▪ Control of voluntary movement in neurological patient population 	Psychology and Kinesiology and Health Science, HH	Norman Bethune 357	33641	lsergio@yorku.ca Website: www.yorku.ca/lsergio/
<p>Shanker, Stuart</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Parent-child relationships and children's development ▪ Role of emotion in evolution and development of language, intelligence, social skills and empathy ▪ Interaction between development of mind and brain 	Psychology, HH	TEL 5030E	20386	shanker@yorku.ca Website: www.self-reg.ca
<p>Steele, Jennifer</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Implicit social cognition ▪ Stereotype development ▪ Social perception 	Psychology, HH	BSB 331	22156	steeleje@yorku.ca Website: http://www.yorku.ca/steeleje/research/index.php
<p>Stevens, Dale</p> <p>RESEARCH AREAS/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Cognition and aging ▪ Conceptual processing ▪ Memory and perceptual abstraction 	Psychology, HH	SHR 2036	44662	stevensd@yorku.ca
<p>Toplak, Maggie</p> <p>RESEARCH AREA/INTERESTS</p> <ul style="list-style-type: none"> ▪ Clinical-developmental Psychology ▪ Cognitive Processes ▪ Individual Differences ▪ Youth 	Psychology, HH	BSB 126	33710	mtoplak@yorku.ca Website: http://mtoplak.info.yorku.ca/
<p>Troje, Niko</p> <p>RESEARCH AREA/INTERESTS</p> <ul style="list-style-type: none"> ▪ Visual perception ▪ People perception ▪ Sensorimotor control ▪ Biological motion ▪ Virtual reality 	Biology, SC	LSB 429B	22862	troje@yorku.ca Website: http://biology.gradstudies.yorku.ca/faculty/n-troje/
<p>Turner, Gary</p> <p>RESEARCH AREAS/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Cognitive neuroscience ▪ Executive control ▪ Neurorehabilitation ▪ Brain networks and adult lifespan development 	Psychology, HH	BSB 244	33538	grturner@yorku.ca Website: https://www.yorku.ca/grturner/styled-2/index.html

<p>Verheggen, Claudine</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Philosophy of Language ▪ Philosophy of Mind ▪ Wittgenstein ▪ Davidson 	Philosophy, AP	Ross S436	77553	<p>cverheg@yorku.ca</p> <p>Website: http://www.yorku.ca/cverheg/</p>
<p>Waring, Duff</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Philosophy of psychiatry ▪ Conception of mental disorder ▪ Personality traits and ethical virtues in psychotherapy 	Philosophy, AP	Ross S428	33522	<p>dwarling@yorku.ca</p>
<p>Wilcox, Laurie</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Stereoscopic Vision ▪ 3D Film Technology ▪ Second-order stereopsis 	Psychology, HH	Lassonde 0003H	66494	<p>lwilcox@yorku.ca</p> <p>Website: http://www.wilcoxlab.yorku.ca/Home.html</p>
<p>Wilkinson, Frances</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Migraine and the Visual System ▪ Vision and Aging ▪ Intermediate Level Form Perception ▪ Face Perception 	Psychology, HH	Lassonde 1012D	33184	<p>franw@yorku.ca</p> <p>Website: http://www.yorku.ca/franw/</p>
<p>Wilson, Hugh</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Psychophysics ▪ Visual Network Models ▪ Cortical Neuron Models ▪ Nonlinear Dynamics in Neuroscience 	Biology, SC	Lassonde B002F	33140	<p>hrwilson@yorku.ca</p> <p>Website: http://cvr.yorku.ca/webpages/wilson.htm</p>
<p>Wiseheart, Melody</p> <p>RESEARCH AREA/INTERESTS:</p> <ul style="list-style-type: none"> ▪ Developmental cognitive neural science ▪ Cognitive flexibility and executive function, ▪ Educational applications of cognitive psychology 	Psychology, HH	BSB 242	33266	<p>ncepteda@yorku.ca</p> <p>Website: http://www.yorku.ca/ncepteda/</p>

INTRODUCTION

What is the Cognitive Science Program?

Our interdisciplinary program in Cognitive Science offers you a challenging opportunity to study the mind and its processes from multiple perspectives. In this program you can combine courses from Computer Science, Linguistics, Philosophy, and Psychology to gain an expansive knowledge of the cognitive processes we might find in humans, animals, and machines.

We offer both a Minor and a Major in Cognitive Science. Cognitive Science majors, as well as minors, will examine the nature of thought, emotion, perception, and language using the methodologies of the different disciplines in order to acquire a richly integrated understanding of the mind. You will have the chance to study the different ways in which infants and non-human animals may be able to think and reason without language, how computers can be programmed to demonstrate intelligence, and the nature of the relationship between social interaction and cognition. Our faculty members are conducting research in such diverse areas as infant social cognition, virtual reality, neuropsychology of reasoning, and moral psychology. Your study will be enriched by your contact with energetic faculty, research groups, labs and research centers that are engaged in ground-breaking work in the field of Cognitive Science.

Why Major in Cognitive Science?

As a Cognitive Science major or minor, you will learn to bring a variety of different perspectives together. You will become familiar with some of the oldest questions in Philosophy and the most recent findings in the Sciences. Topics and questions include:

- What is the relationship between philosophy, psychology, computer science, and linguistics?
- What is the relationship between the mind and the brain?
- How does the technology used to study the brain work, and what assumptions must we make to use it?
- How can we best explain human abilities like language, reasoning, problem-solving, and memory?
- What is the connection between language and thinking?
- How can we best understand various cognitive disorders?
- How does human cognition differ from the cognition of other animals, such as the great apes?
- To what extent is cognition innate, and to what extent is it acquired through experience?

Career Options for Cognitive Science Majors

Whatever profession you choose, you will be able to perform better if you understand how the mind works:

- If you want to go into Psychology, Psychiatry or Counseling, Cognitive Science supplies a broad understanding of the theories of psychology as well as skills in computer modeling techniques to supplement psychology's experimental approach.
- If you plan to teach, Cognitive Science can help you understand how people learn so you can work out better teaching methods.
- If you plan to go into law, you'll be more effective in court if you have some insight into how juries make decisions.
- If you want to become a Business Manager or Human Resources Consultant, Cognitive Science will provide a scientific basis for understanding how people use language and perform intellectual tasks.

Since Cognitive Science integrates the knowledge and methods of a number of disciplines, the skills acquired can be applied to most of the fields and professions related to the four disciplines, including: telecommunications, information and language processing, artificial intelligence, cognition software development, medical analysis, speech pathology, data retrieval, human-computer interaction, therapy, and education.

A Sample of Career Paths of Cognitive Science Graduates

Previous Cognitive Science graduates have found careers in research laboratories, community and mental health organizations, hospitals, clinics, non-profit organizations, governments, universities, colleges, newspapers, and magazine publishing. Others have gone on to earn graduate degrees in Philosophy, Neuroscience, Psychology, Linguistics, Computer Science, Business, and Law.

Recent Cognitive Science graduates provide testimonials about their career opportunities and graduate studies at: <http://www.yorku.ca/laps/phil/cogs/alumni.html>

Why Minor in Cognitive Science?

We also offer a minor in Cognitive Science. The Honours Minor BA program described may be combined with any approved Honours BA program that offers a major/minor option in the Faculties of Environmental Studies, Fine Arts, Health, Liberal Arts and Professional Studies, or Science and Engineering. This enables you to add a Cognitive Science component to your Major BA program.

Cognitive Science Speaker Series

In addition to learning from the skilled researchers at York University, the Cognitive Science program hosts a Speaker Series where you will have the opportunity to learn from other leading researchers from around the world. These talks will give you the chance to engage in some of the most recent research topics and findings in Cognitive Science.

The Cognitive Science program also hosts various types of social events, such as movie nights. These informal gatherings enable and encourage intensive interdisciplinary communication and give students a chance to meet other Cognitive Science students and to talk with faculty members in a less formal setting.

Additionally, the Cognitive Science program organizes national and international conferences and workshops.

Log on to <http://cogs.phil.laps.yorku.ca/speaker-series/> to find out about our latest events!

Research Areas/Interests within the Program

There are many different topics students could focus on, including:

- Language and psycholinguistics
- Memory
- Attention
- Perception
- Emotion
- Nonlinguistic thinking
- Communication, multimodal communication
- Rationality, reasoning and decision-making
- Neural modeling
- Robotics
- Social cognition
- Cognitive development in animals and humans
- Evolutionary psychology
- Clinical psychology, cognitive disorders
- Comparative cognition
- Moral cognition
- Personhood and free will
- Consciousness and self-consciousness
- Neuroimaging
- Human-computer interaction

COGNITIVE SCIENCE STUDENTS ASSOCIATION OF YORK

Hello from COSSA – the Cognitive Science Students Association!

COSSA's main mandate is to provide students with an environment outside of their academic responsibilities. Being an interdisciplinary program of study, Cognitive Science students often have trouble finding each other and may never know that the student a few seats down shares their interests. We aim to provide a link for students who wish to find like-minded individuals to learn and share their experiences.

We hold a variety of social activities including but not limited to: movie nights, pub nights, and debates with a keen ear to open-minded and analytic conversation. By getting to know others in Cognitive Science, students also gain access to the experience of upper year students and professors to help them tackle the intricacies of carving out their academic path.

University is a place to learn, but not only from lectures and books, learning from the minds of others is how we grow as people.

For more information, please contact <cosssa@yorku.ca> or visit our website: <https://yorku.collegiatelink.net/organization/cosssa>.

We at COSSA look forward to meeting and learning with you.

Best wishes,
The Cognitive Science Students Association

SPECIALIZED HONOURS BA PROGRAM IN COGNITIVE SCIENCE

The Honours BA program in Cognitive Science is housed in the Department of Philosophy and combines the departmental specializations of the Department of Philosophy, Psychology, Linguistics, and Computer Science. What is especially exciting about Cognitive Science is its nature of interdisciplinary cooperation, involving Psychologists, Philosophers, Computer Scientists, Neuroscientists, Anthropologists, Biologists, Linguists and others. By taking a variety of perspectives, the Cognitive Scientist has a greater chance of finding answers to our questions about the way the mind works.

Students in Cognitive Science may focus on a number of different areas including Human-Computer Interaction, Artificial Intelligence, Animal Cognition, Language and Thought, Linguistic Development, Comparative Cognition and many more. Students can arrange their program of study in consultation with the Program Coordinator or an Advisor in the program.

Degree Requirements

You can download a degree requirements checklist to help you plan your path through the program at the program website: <http://www.yorku.ca/laps/phil/cogs/index.html>. (Look under the Courses tab.) You should also consult individual course listings to determine the necessary prerequisites for each course in the program. Students will be responsible for making sure that all necessary prerequisites have been met for each course.

Recommended Courses for 1st Year Students

First year students are advised to fulfill at least some of their General Education requirements. In addition, in their first or second year, Cognitive Science majors are advised to enrol in: PSYC 1010, COGS 2160, PHIL 2240, and either LING 1000 or COGS/LING 2800. Please consult with LAP&S student advising services (<http://laps.yorku.ca/student-resources/student-services/academic-advising-services/>) or the program coordinator for further advice about course selection.

SPECIALIZED HONOURS BA PROGRAM4

Honours Major BA in Cognitive Science

All students must satisfy the General Education/Foundations requirement.

A. Students must complete all of the following Core Courses (30 or 33 credits):

Course Code	Weight	Course Title
AP/LING 1000	6.0	Introduction to Linguistics OR
AP/COGS/LING 2800	3.0	Language and Mind
HH/PSYC 1010	6.0	Introduction to Psychology
HH/PSYC 2260	3.0	Cognition
AP/COGS/PHIL 2160	3.0	Minds, Brains, and Machines
AP/PHIL 2240	3.0	Introduction to the Philosophy of Mind
AP/PHIL 3260	3.0	Philosophy of Psychology
AP/PHIL 3750	3.0	Philosophy of Artificial Intelligence
AP/COGS 4750	6.0	Honours Thesis in Cognitive Science OR
AP/COGS 4901	6.0	Honours Seminar in Cognitive Science (but not both)

B. Students must complete 6 credits chosen from the following:

Course Code	Weight	Course Title
LE/EECS 1022	3.0	Programming for Mobile Computing
LE/EECS 2001	3.0	Introduction to the Theory of Computation
LE/EECS 2030	3.0	Advanced Object Oriented Programming
AP/ITEC 1000	3.0	Introduction to Information Technologies
AP/ITEC 1010	3.0	Information and Organizations
AP/LING 2120	3.0	Phonology 1: Analysis
AP/LING 2130	3.0	Morphology 1: Analysis
AP/LING 2140	3.0	Syntax 1: Analysis
AP/PHIL 2100	3.0	Introduction to Logic
HH/PSYC 2020	6.0	Statistical Methods I and II
HH/PSYC 2021	3.0	Statistical Methods I
HH/PSYC 2030	3.0	Introduction to Research Methods

C. Students must complete 9 credits chosen from the following, including at least two different disciplines (departments):

Course Code	Weight	Course Title
LE/EECS 2011	3.0	Fundamentals of Data Structures
LE/EECS 3401	3.0	Introduction to Artificial Intelligence and Logic Programming
AP/ITEC 3230	3.0	Designing User Interfaces
AP/LING 3120	3.0	Phonology 2: Theory
AP/LING 3140	3.0	Syntax 2: Theory
AP/LING 3150	3.0	Semantics
AP/LING 3210	3.0	First Language Acquisition
AP/LING 3220	3.0	Psycholinguistics
AP/PHIL 3265	3.0	Philosophy of Mind
HH/PSYC 2110	3.0	Developmental Psychology
HH/PSYC 2120	3.0	Social Psychology
HH/PSYC 2220	3.0	Sensation and Perception I
HH/PSYC 2240	3.0	Biological Basis of Behaviour
HH/PSYC 3250	3.0	Neural Basis of Behaviour

HH/PSYC 3265	3.0	Memory
HH/PSYC 3280	3.0	Animal Behaviour
HH/PSYC 3290	3.0	Psycholinguistics

D. Students must complete 6 credits chosen from the following, and including at least two different disciplines (departments):

Course Code	Weight	Course Title
LE/EECS 4401	3.0	Artificial Intelligence
LE/EECS 4421	3.0	Introduction to Robotics
LE/EECS 4422	3.0	Computer Vision
LE/EECS 4441	3.0	Human-Computer Interaction
AP/LING 4120	3.0	Advanced Phonology
AP/LING 4140	3.0	Advanced Syntax
AP/LING 4150	3.0	Topics in the Syntax-Semantics Interface
AP/LING 4230	3.0	Language and the Brain
AP/LING 4250	3.0	The Evolution of Language
AP/PHIL 3200	3.0	Philosophy of Language
AP/PHIL 3635	3.0	Philosophy of Neuroscience
AP/PHIL 4080	3.0	Seminar in the Philosophy of Mind
AP/PHIL 4082	3.0	Philosophy of Cognitive Science
AP/PHIL 4083	3.0	Philosophy of Clinical Psychology
AP/PHIL 4084	3.0	Animals and the Philosophy of Mind
HH/PSYC 4010	3.0/6.0	Seminar in Developmental Psychology
HH/PSYC 4020	3.0/6.0	Seminar in Social Psychology
HH/PSYC 4080	6.0	Neuropsychology of Abnormal Behaviour
HH/PSYC 4285	3.0	Seminar in Comparative Cognition
HH/PSYC 4230	3.0	Human Performance in Systems
HH/PSYC 4260	3.0	Seminar in Sensation and Perception
HH/PSYC 4270	3.0	Seminar in Memory and Cognition

UNIVERSITY-WIDE RESIDENCE REQUIREMENT: A minimum of 30 course credits and at least half (50 per cent) of the course credits required in each undergraduate degree program major/minor must be taken at York University.

UPPER LEVEL REQUIREMENT: At least 36 credits at the 3000 or 4000 level, including at least 18 credits at the 4000 level.

MAJOR CREDITS: a minimum of 54 credits. Note that students who opt to complete AP/LING 2800 3.0 must complete an additional 3 credits in the major beyond the requirements listed above in order to satisfy this requirement.

COURSE PREREQUISITES: Please see the complete listing of courses for all course prerequisites, cross-listed courses and course credit exclusions and substitutions.

CREDITS OUTSIDE THE MAJOR: at least 18 credits.

ADVICE #1: Some courses have prerequisites that are not part of the major. This is especially true for EECS courses. For example, EECS 1022 has EECS 1012 as a prerequisite, and EECS 1012 in turn has its own math prerequisites. For any course you want to take, make sure to check its prerequisites.

ADVICE #2: Part D requires upper-level courses from two different disciplines. Since upper-level courses tend to have many prerequisites, you need to think ahead in order to satisfy this requirement.

Honours Minor BA in Cognitive Science

The Honours Minor in Cognitive Science comprises at least 30 credits, distributed as follows:

A. Students must take all of the following courses (18 credits):

COGS/LING 2800	3.0	Language and Mind
PSYC 1010	6.0	Introduction to Psychology
COGS/PHIL 2160	3.0	Minds, Brains, and Machines
PHIL 2240	3.0	Introduction to the Philosophy of Mind
PSYC 2260	3.0	Cognition

B. Students must take 6 credits from the following list:

PHIL 3260	3.0	Philosophy of Psychology
PHIL 3265	3.0	Philosophy of Mind
PHIL 3635	3.0	Philosophy of Neuroscience
COGS/PHIL 3750	3.0	Philosophy of Artificial Intelligence

C. Students must take 6 credits from the following list:

PHIL 4080	3.0	Seminar in the Philosophy of Mind
PHIL 4082	3.0	Philosophy of Cognitive Science
PHIL 4083	3.0	Philosophy of Clinical Psychology
PHIL 4084	3.0	Animals & the Philosophy of Mind
PHIL 4085	3.0	Philosophy of Psychiatry

HONOURS PROGRAMS/DEGREE OPTIONS

Honours (Double Major) BA Program

The program described above may be pursued jointly with any other Honours Bachelor's degree program in the Faculties of LA&PS, Environmental Studies, or Fine Arts, or with a major in Computer Science, Earth and Atmospheric Science or Physics and Astronomy in the Faculty of Pure and Applied Science.

Honours (Double Major) Interdisciplinary BA Programs

The program described above may be linked with any Honours (Double Major) Interdisciplinary BA program in the Faculty of LA&PS. Courses taken to meet Cognitive Science requirements cannot also be used to meet the requirements of the interdisciplinary program. Students in these interdisciplinary programs must take a total of at least 18 credits at the 4000-level. For further details of the requirements, see the listings for specific Honours (Double Major) Interdisciplinary BA Programs.

Major/Minor (with Cognitive Science as the Major) BA Program

The program described above may be pursued jointly with any Honours Minor Bachelor's degree program in the Faculty of LA&PS, Environmental Studies, Fine Arts, or with a minor in Computer Science, Biology, Chemistry, or Physics and Astronomy in the Faculty of Science.

Honours Minor in Cognitive Science BA Program

The Honours Minor BA program described may be combined with any approved Honours BA program that offers a major/minor option in the Faculties of Environmental Studies, Fine Arts, Health, Liberal Arts and Professional Studies, or Science and Engineering. For further details on requirements, refer to the listings for specific Honours programs that may be pursued jointly with other Faculties.

Courses

Cognitive Science courses are divided into four groups. All students in the Honours Major in Cognitive Science must take all the core courses. From each of the other three groups, students may choose from among different options.

A. Core Courses (Major 30 or 33 Credits, Minor 18 credits)	Pages: 19 - 25
B. Lower-Level Computer Science, Information Technology, Linguistics, Psychology, Philosophy (6 credits)	Pages: 26 - 42
C. Mid-level Computer Science, Information Technology, Linguistics, Psychology, Philosophy (9 credits)	Pages: 43 - 52
D. Upper-level Computer Science, Linguistics, Psychology, Philosophy (6 credits)	Pages: 53 - 60

PLEASE NOTE:

THE FOLLOWING COURSE DESCRIPTIONS ARE ACCURATE AS OF SEPTEMBER 10, 2019.

IT IS INEVITABLE, HOWEVER THAT THERE WILL BE SOME SUBSEQUENT CHANGES IN ASSIGNED COURSE DIRECTORS (AND THEREFORE, IN COURSE FORMAT AND EVALUATION).

PLEASE CONSULT EACH DEPARTMENT'S ONLINE SUPPLEMENTAL CALENDAR FOR UPDATED INFORMATION.

SOME COURSES HAVE "GENERAL PREREQUISITES" IN ADDITION TO THE SPECIFIC PREREQUISITES LISTED FOR EACH COURSE: THESE CAN BE FOUND IN THE RELEVANT PROGRAM'S SUPPLEMENTAL CALENDAR.

COURSE WITH AN ASTERISK (*) INDICATES THAT THERE IS A TUTORIAL/LAB.

A. CORE COURSES

Students must complete the following (30 or 33 credits):

AP/LING 1000 6.0A (Y) – INTRODUCTION TO LINGUISTICS

INSTRUCTOR: Liisa Duncan

OFFICE: TBA

DAY: Wednesday*

TIME: 10:30am – 12:30pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/EN 2605 6.00, GL/LIN 2605 6.00. PRIOR TO FALL 2009: AS/LING 1000 6.0.

DESCRIPTION: Examines fundamental principles of language structure and interpretation. The focus is on the core areas, specifically, phonology, morphology, and syntax, but a brief survey of phonetics, semantics, language acquisition, historical linguistics, and language variation is also offered. Data and analytic exercises from a wide range of the world's languages is used for illustration.

AP/LING 1000 6.0B (Y) – INTRODUCTION TO LINGUISTICS

INSTRUCTOR: Liisa Duncan

OFFICE: TBA

DAY: Monday*

TIME: 7:00pm – 9:00pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/EN 2605 6.00, GL/LIN 2605 6.00. PRIOR TO FALL 2009: AS/LING 1000 6.0.

DESCRIPTION: See course description for AP/LING 6.0A (Y).

AP/LING 1000 6.0C (Y) – INTRODUCTION TO LINGUISTICS

INSTRUCTOR: Tom Wilson

OFFICE: TBA

DAY: Tuesday*

TIME: 12:30pm – 2:30pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/EN 2605 6.00, GL/LIN 2605 6.00. PRIOR TO FALL 2009: AS/LING 1000 6.0.

DESCRIPTION: See course description for AP/LING 6.0A (Y).

AP/LING/COGS 2800 3.0M (W) – LANGUAGE AND MIND

INSTRUCTOR: Youri Zabbal

OFFICE: TBA

DAY: Tuesday*

TIME: 2:30pm – 4:30pm

PREREQUISITE: None. PRIOR TO FALL 2009: AS/LING 1000 6.0 or AS/PSYC 1010 6.0 or permission of the department.

COURSE CREDIT EXCLUSION: PRIOR TO FALL 2012: AP/LING 3800 3.0. PRIOR TO FALL 2009: AS/LING 3800 3.0.

DESCRIPTION: Explores how the structures of human language reflect the architecture of the human mind. Linguistics issues are related to topics in vision, philosophy, and psychology, among others. The course focuses primarily on internalist views of language, as exemplified in the generative tradition.

HH/PSYC 1010 6.0 I (F) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: Heather Jenkin

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 8:30am – 11:30am

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: A survey of psychology introducing basic terms, concepts and methods. Included are topics such as biological bases of behaviour, learning, perception, motivation, cognition, child development, personality, and abnormal and social psychology.

Note: This course is required for all students who intend to pursue additional HH/PSYC courses the 2000-, 3000- and 4000- levels. Students must pass the course with a minimum grade of C in order to pursue further studies in psychology.

HH/PSYC 1010 6.0A (Y) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: Kathleen Fortune

OFFICE: TBA

DAY: Wednesday

TIME: 7:00pm - 10:00pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

HH/PSYC 1010 6.0B (Y) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: Myriam Mongrain

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 11:30am - 1:00pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

HH/PSYC 1010 6.0C (Y) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: Rebecca Jubis

OFFICE: TBA

TIME: ONLINE

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

OTHER INFORMATION: This section of Introductory Psychology is by correspondence. Students who are in their first term at York and are making the transition from high school to university are strongly advised NOT to register in this section; a classroom course is strongly advised in this case. This section is meant primarily for mature and distance students, students whose schedules do not permit them to attend classes on campus on a regular basis, and students who are not Psychology majors but who want to take one or more Psychology courses.

HH/PSYC 1010 6.0D (Y) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: C Douglas McCann

OFFICE: TBA

DAY: Tuesday

TIME: 2:30pm - 5:30pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

HH/PSYC 1010 6.0E (Y) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: C Douglas McCann

OFFICE: TBA

DAY: Thursday

TIME: 2:30pm - 5:30pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

HH/PSYC 1010 6.0F (Y) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: Kathleen Fortune

OFFICE: TBA

DAY: Monday

TIME: 5:30pm – 8:30pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

HH/PSYC 1010 6.0G (Y) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: Myriam Mongrain

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 1:00pm - 2:30pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

HH/PSYC 1010 6.0H (Y) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: Rebecca Jubis

OFFICE: TBA

DAY: Friday

TIME: 2:30pm - 5:30pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

HH/PSYC 1010 6.0M (W) – INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: Rebecca Jubis

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 11:30am - 2:30pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

ACCESS SPECIFICATIONS: Reserved for PSYC Majors (Winter). Enrollment not open until November/December 2018.

HH/PSYC 1010 6.0N (W) - INTRODUCTION TO PSYCHOLOGY

INSTRUCTOR: Heather Jenkin

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 5:30pm – 8:30pm

PREREQUISITE: None

COURSE CREDIT EXCLUSION: GL/PSYC 2510 6.0; PRIOR TO SUMMER 2002: AK/PSYC 2410 6.0

DESCRIPTION: See course description for HH/PSYC 1010 6.0I (F).

ACCESS SPECIFICATIONS: Reserved for PSYC Majors (Winter). Enrollment not open until November/December 2018.

HH/PSYC 2260 3.0A (F) – COGNITION

INSTRUCTOR: Vinod Goel

OFFICE: TBA

DAY: Tuesday

TIME: 7:00pm – 10:00pm

PREREQUISITE: AK/AS/HH/SC/PSYC 1010 6.00 or AK/HH/PSYC 2410 6.00, with a minimum grade of C.

COURSE CREDIT EXCLUSION: AK/PSYC 3135 3.00 (prior to Summer 2002), HH/PSYC 3260 3.00, GL/PSYC 3370 3.00

PREVIOUSLY OFFERED AS: HH/PSYC 3260 3.00.

DESCRIPTION: A survey of higher-order cognitive processes in humans. Topics include attention, memory, problem solving, thinking and language.

HH/PSYC 2260 3.0M (W) – COGNITION

INSTRUCTOR: Norman W Park

OFFICE: TBA

DAY: Friday

TIME: 2:30pm – 5:30pm

PREREQUISITE: AK/AS/HH/SC/PSYC 1010 6.00 or AK/HH/PSYC 2410 6.00, with a minimum grade of C.

COURSE CREDIT EXCLUSION: AK/PSYC 3135 3.00 (prior to Summer 2002), HH/PSYC 3260 3.00, GL/PSYC 3370 3.00

PREVIOUSLY OFFERED AS: HH/PSYC 3260 3.00

DESCRIPTION: See course description for HH/PSYC 2260 3.0A (F).

HH/PSYC 2260 3.0N (W) – COGNITION

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Friday

TIME: 8:30am – 11:30am

PREREQUISITE: AK/AS/HH/SC/PSYC 1010 6.00 or AK/HH/PSYC 2410 6.00, with a minimum grade of C.

COURSE CREDIT EXCLUSION: AK/PSYC 3135 3.00 (prior to Summer 2002), HH/PSYC 3260 3.00, GL/PSYC 3370 3.00

PREVIOUSLY OFFERED AS: HH/PSYC 3260 3.00

DESCRIPTION: See course description for HH/PSYC 2260 3.0A (F).

AP/COGS/PHIL 2160 3.0M (W) – MINDS, BRAINS, AND MACHINES

INSTRUCTOR: Kevin Lande

OFFICE: S443

DAY: Monday and Wednesday*

TIME: 10:30am - 11:30am

PREREQUISITE: None.

COURSE CREDIT EXCLUSION: None. PRIOR TO FALL 2009: AK/AS/PHIL 2160 3.0

DESCRIPTION: An introduction to the study of human cognition and the interdisciplinary field of cognitive science. Questions covered include: What is artificial intelligence? Is it possible that we will someday build computers that think? Does language affect thought? Do we think in language or pictures? How is conscious experience related to the brain?

AP/PHIL 2240 3.0A (F) – INTRODUCTION TO THE PHILOSOPHY OF MIND

INSTRUCTOR: Brian Huss

OFFICE: S414

DAY: Tuesday and Thursday

TIME: 1:00pm – 2:30pm

COURSE CREDIT EXCLUSION: None. PRIOR TO FALL 2009: AS/PHIL 2240 3.0, AK/PHIL 2240 3.0.

DESCRIPTION: An introduction to metaphysical theories the relationship between the mind and the body. We examine Descartes' mind-body dualism as well as 20th century theories including behaviourism, the identity theory, machine and causal functionalism, instrumentalism, eliminativism, and emergentism.

AP/PHIL 3260 3.0A (F) – PHILOSOPHY OF PSYCHOLOGY

INSTRUCTOR: Brandon Tinklenberg

OFFICE: TBA

DAY: Monday

TIME: 2:30pm – 5:30pm

PREREQUISITE: AP/PHIL 2160 3.0 or AP/PHIL 2240 3.0. PRIOR TO FALL 2009: At least six credits in philosophy, including one of AK/AS/PHIL 2160 3.0 or AK/AS/PHIL 2240 3.0

COURSE CREDIT EXCLUSION: None. PRIOR TO SUMMER 2007: AK/PHIL 3260 3.0, AS/PHIL 3260 3.0

DESCRIPTION: An examination of whether psychological research can help to answer traditional philosophical questions. Case studies may include: psychiatric and mental disorders, rational thought, animal cognition, the placebo effect, the nature of concepts, attribution theory, moral psychology, or consciousness.

AP/PHIL 3260 3.0M (W) – PHILOSOPHY OF PSYCHOLOGY

INSTRUCTOR: Brian Huss

OFFICE: S414

DAY: Monday

TIME: 2:30pm – 5:30pm

PREREQUISITE: AP/PHIL 2160 3.0 or AP/PHIL 2240 3.0. PRIOR TO FALL 2009: At least six credits in philosophy, including one of AK/AS/PHIL 2160 3.0 or AK/AS/PHIL 2240 3.0

COURSE CREDIT EXCLUSION: None. PRIOR TO SUMMER 2007: AK/PHIL 3260 3.0, AS/PHIL 3260 3.0

DESCRIPTION: See course description for AP/PHIL 3260 3.0A (F).

AP/COGS/PHIL 3750 3.0M (W) – PHILOSOPHY OF ARTIFICIAL INTELLIGENCE

INSTRUCTOR: Oisín Deery

OFFICE: S442

DAY: Tuesday

TIME: 2:30pm – 5:30pm

PREREQUISITE: One of AP/PHIL 2160 3.00 or AP/PHIL 2240 3.00.

PRIOR TO FALL 2009: At least six credits in philosophy, including one of AK/PHIL 2240 3.00, AS/PHIL 2240 3.00 or AK/AS/PHIL 2160 3.00.

COURSE CREDIT EXCLUSION: AK/PHIL 3001 3.00, AS/PHIL 3750 3.00.

DESCRIPTION An introduction to philosophical issues in Artificial Intelligence (AI). The goal is for students to be able to gain basic understanding of the cognitive architectures used by AI programmers, and reflect critically on research in AI from a philosophical perspective.

AP/COGS 4750 6.0A (Y)– HONOURS THESIS IN COGNITIVE SCIENCE

INSTRUCTOR: Students must arrange a faculty thesis supervisor, subject to departmental approval.

COURSE DIRECTOR: TBA

OFFICE: TBA

DAY / TIME: Decided upon by student and instructor

PREREQUISITE: Permission of the course director.

COURSE CREDIT EXCLUSION: None. PRIOR TO FALL 2009: AS/PHIL 4750 6.0

DESCRIPTION: Students carry out an individual piece of research in cognitive science in consultation with a thesis supervisor and write a thesis.

AP/COGS 4901 6.0A (Y) – HONOURS SEMINAR IN COGNITIVE SCIENCE

INSTRUCTOR: Jacob Beck

OFFICE: S439

DAY: Wednesday

TIME: 11:30am – 2:30pm

PREREQUISITE: Students must be Cognitive Science majors and have successfully completed at least 84 credits in total.

COURSE CREDIT EXCLUSION: None. PRIOR TO FALL 2010: AP/COGS 4900 6.0. PRIOR TO FALL 2009: AS/COGS 4900 6.0.

DESCRIPTION: This course is the capstone for students in the cognitive science honours BA program. Students will obtain a greater understanding of the work that cognitive scientists do, and how the theoretical background can be implemented in solving real-world problems and uncovering additional facts about the world. Students will be expected to produce a major work in cognitive science as well as demonstrate their knowledge of the applications of cognition science to many different areas of academia and industry.

Note: Students must be Cognitive Science majors and have successfully completed a minimum of 84 credits in total.

AP/COGS 4901 6.0B (Y) – HONOURS SEMINAR IN COGNITIVE SCIENCE

INSTRUCTOR: Sam Clarke

OFFICE: S441

DAY: Wednesday

TIME: 11:30am – 2:30pm

PREREQUISITE: Students must be Cognitive Science majors and have successfully completed at least 84 credits in total.

COURSE CREDIT EXCLUSION: None. PRIOR TO FALL 2010: AP/COGS 4900 6.0. PRIOR TO FALL 2009: AS/COGS 4900 6.0.

DESCRIPTION: This course is the capstone for students in the cognitive science honours BA program. Students will obtain a greater understanding of the work that cognitive scientists do, and how the theoretical background can be implemented in solving real-world problems and uncovering additional facts about the world. Students will be expected to produce a major work in cognitive science as well as demonstrate their knowledge of the applications of cognition science to many different areas of academia and industry.

Note: Students must be Cognitive Science majors and have successfully completed a minimum of 84 credits in total.

B. LOWER-LEVEL COMPUTER SCIENCE, INFORMATION TECHNOLOGY,
LINGUISTICS, PHILOSOPHY, PSYCHOLOGY

Take 6 credits from the following:

LE/EECS 1022 3.0A (F) – PROGRAMMING FOR MOBILE COMPUTING

INSTRUCTOR: Mufelh Al-Shatnawi

OFFICE: TBA

DAY: Monday*

TIME: 2:30pm – 4:30pm

PREREQUISITE: LE/EECS 1012 3.00.

COURSE CREDIT EXCLUSION: LE/EECS 1021 3.00, LE/EECS 1020 3.00 (prior to Fall 2014), LE/CSE 1020 3.00 (prior to Fall 2014), SC/CSE 1020 3.00 (prior to Summer 2013), AP/ITEC 1620 3.00.

DESCRIPTION: Provides a first exposure to object-oriented programming and enhances student understanding of key computing skills such as reasoning about algorithms, designing user interfaces, and working with software tools. It uses problem-based approach to expose the underlying concepts and an experiential laboratory to implement them. A mature mobile software infrastructure (such as Java and the Android programming environment) is used to expose and provide context to the underlying ideas. Laboratory exercises expose students to a range of real-world problems with a view of motivating computational thinking and grounding the material covered in lectures.

LE/EECS 1022 3.0M (W) – PROGRAMMING FOR MOBILE COMPUTING

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Monday*

TIME: 2:30pm – 4:30pm

PREREQUISITE: LE/EECS 1012 3.00.

COURSE CREDIT EXCLUSION: LE/EECS 1021 3.00, LE/EECS 1020 3.00 (prior to Fall 2014), LE/CSE 1020 3.00 (prior to Fall 2014), SC/CSE 1020 3.00 (prior to Summer 2013), AP/ITEC 1620 3.00.

DESCRIPTION: See course description for LE/EECS 1022 3.0A (F)

LE/EECS 1022 3.0N (W) – PROGRAMMING FOR MOBILE COMPUTING

INSTRUCTOR: Yves Lesperance

OFFICE: TBA

DAY: Tuesday*

TIME: 2:30pm – 4:30pm

PREREQUISITE: LE/EECS 1012 3.00.

COURSE CREDIT EXCLUSION: LE/EECS 1021 3.00, LE/EECS 1020 3.00 (prior to Fall 2014), LE/CSE 1020 3.00 (prior to Fall 2014), SC/CSE 1020 3.00 (prior to Summer 2013), AP/ITEC 1620 3.00.

DESCRIPTION: See course description for LE/EECS 1022 3.0A (F)

LE/EECS 1022 3.00 (W) – PROGRAMMING FOR MOBILE COMPUTING

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Monday*

TIME: 10:30am – 12:30pm

PREREQUISITE: LE/EECS 1012 3.00.

COURSE CREDIT EXCLUSION: LE/EECS 1021 3.00, LE/EECS 1020 3.00 (prior to Fall 2014), LE/CSE 1020 3.00 (prior to Fall 2014), SC/CSE 1020 3.00 (prior to Summer 2013), AP/ITEC 1620 3.00.

DESCRIPTION: See course description for LE/EECS 1022 3.0A (F)

LE/EECS 2001 3.0A (F) – INTRODUCTION TO THE THEORY OF COMPUTATION

INSTRUCTOR: Enas AlTarawneh

OFFICE: TBA

DAY: Tuesday and Friday*

TIME: 10:00am – 11:30am

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1021 3.00 or LE/EECS 1022 3.00 or LE/EECS 1720 3.00 or LE/EECS 1030 3.00; LE/EECS 1028 3.00 or SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2001 3.00. PRIOR TO SUMMER 2013: SC/CSE 2001 3.00

DESCRIPTION: Introduction to the theory of computing, including automata theory, formal languages and Turing machines; theoretical models and their applications in various fields of computer science. The emphasis is on practical applications of the theory and concepts rather than formal rigour.

LE/EECS 2001 3.0B (F) – INTRODUCTION TO THE THEORY OF COMPUTATION

INSTRUCTOR: Zbigniew Stachniak

OFFICE: TBA

DAY: Monday and Thursday*

TIME: 5:30pm – 7:00pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1021 3.00 or LE/EECS 1022 3.00 or LE/EECS 1720 3.00 or LE/EECS 1030 3.00; LE/EECS 1028 3.00 or SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2001 3.00. PRIOR TO SUMMER 2013: SC/CSE 2001 3.00

DESCRIPTION: See course description for LE/EECS 2001 3.0A (F).

LE/EECS 2001 3.0M (W) – INTRODUCTION TO THE THEORY OF COMPUTATION

INSTRUCTOR: Jeffrey A Edmonds

OFFICE: TBA

DAY: Tuesday and Thursday*

TIME: 2:30pm – 4:00pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1021 3.00 or LE/EECS 1022 3.00 or LE/EECS 1720 3.00 or LE/EECS 1030 3.00; LE/EECS 1028 3.00 or SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2001 3.00. PRIOR TO SUMMER 2013: SC/CSE 2001 3.00

DESCRIPTION: See course description for LE/EECS 2001 3.0A (F).

LE/EECS 2001 3.0N (W) – INTRODUCTION TO THE THEORY OF COMPUTATION

INSTRUCTOR: Suprakash Datta

OFFICE: TBA

DAY: Monday and Wednesday*

TIME: 2:30pm – 4:00pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1021 3.00 or LE/EECS 1022 3.00 or LE/EECS 1720 3.00 or LE/EECS 1030 3.00; LE/EECS 1028 3.00 or SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2001 3.00. PRIOR TO SUMMER 2013: SC/CSE 2001 3.00

DESCRIPTION: See course description for LE/EECS 2001 3.0A (F).

LE/EECS 2030 3.0A (F) – ADVANCED OBJECT ORIENTED PROGRAMMING

INSTRUCTOR: Matthew J Kyan

OFFICE: TBA

DAY: Tuesday and Thursday*

TIME: 4:00pm – 5:30pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS1021 3.00 or LE/EECS 1020 (prior to Fall 2015) 3.00 or LE/EECS1022 3.00 or LE/EECS 1720 3.00.

COURSE CREDIT EXCLUSION: AP/ITEC 2620 3.00.

PREVIOUSLY OFFERED AS: LE/EECS1030 3.00, LE/CSE 1030 3.00.

DESCRIPTION: This course continues the separation of concern theme introduced in LE/EECS 1020 3.00 and LE/EECS1021 3.00. While 1020 and 1021 focuses on the client concern, this course focuses on the concern of the implementer. Hence, rather than using an API (Application Programming Interface) to build an application, the student is asked to implement a given API. Topics include implementing classes (non-utilities, delegation within the class definition, documentation and API generation, implementing contracts), aggregations (implementing aggregates versus compositions and implementing collections), inheritance hierarchies (attribute visibility, overriding methods, abstract classes versus interfaces, inner classes); applications of aggregation and inheritance in concurrent programming and event-driven programming; recursion; searching and sorting including quick and merge sorts); stacks and queues; linked lists; binary trees.

LE/EECS 2030 3.0B (F) – ADVANCED OBJECT ORIENTED PROGRAMMING

INSTRUCTOR: Jackie Wang

OFFICE: TBA

DAY: Monday and Wednesday*

TIME: 1:00pm – 2:30pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS1021 3.00 or LE/EECS 1020 (prior to Fall 2015) 3.00 or LE/EECS1022 3.00 or LE/EECS 1720 3.00.

COURSE CREDIT EXCLUSION: AP/ITEC 2620 3.00.

PREVIOUSLY OFFERED AS: LE/EECS1030 3.00, LE/CSE 1030 3.00

DESCRIPTION: See course description for LE/EECS 2030 3.0A (F)

LE/EECS 2030 3.0C (F) – ADVANCED OBJECT ORIENTED PROGRAMMING

INSTRUCTOR: Burton Ma

OFFICE: TBA

DAY: Wednesday*

TIME: 4:30pm – 6:00am

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5");

LE/EECS1021 3.00 or LE/EECS 1020 (prior to Fall 2015) 3.00 or LE/EECS1022 3.00 or LE/EECS 1720 3.00.

COURSE CREDIT EXCLUSION: AP/ITEC 2620 3.00.

PREVIOUSLY OFFERED AS: LE/EECS1030 3.00, LE/CSE 1030 3.00.

DESCRIPTION: See course description for LE/EECS 2030 3.0A (F)

LE/EECS 2030 3.0E (F) – ADVANCED OBJECT ORIENTED PROGRAMMING

INSTRUCTOR: Burton Ma

OFFICE: TBA

DAY: Monday and Thursday*

TIME: (M)2:30pm – 4:00pm (TH) 1:00pm – 2:30pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5");

LE/EECS1021 3.00 or LE/EECS 1020 (prior to Fall 2015) 3.00 or LE/EECS1022 3.00 or LE/EECS 1720 3.00.

COURSE CREDIT EXCLUSION: AP/ITEC 2620 3.00.

PREVIOUSLY OFFERED AS: LE/EECS1030 3.00, LE/CSE 1030 3.00.

DESCRIPTION: See course description for LE/EECS 2030 3.0A (F)

LE/EECS 2030 3.0M (W) – ADVANCED OBJECT ORIENTED PROGRAMMING

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Tuesday and Thursday*

TIME: 8:30am - 10:00am

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5");

LE/EECS1021 3.00 or LE/EECS 1020 (prior to Fall 2015) 3.00 or LE/EECS1022 3.00 or LE/EECS 1720 3.00.

COURSE CREDIT EXCLUSION: AP/ITEC 2620 3.00.

PREVIOUSLY OFFERED AS: LE/EECS1030 3.00, LE/CSE 1030 3.00.

DESCRIPTION: See course description for LE/EECS 2030 3.0A (F)

LE/EECS 2030 3.0Z (W) – ADVANCED OBJECT ORIENTED PROGRAMMING

INSTRUCTOR: Hina Tabassum

OFFICE: TBA

DAY: Tuesday*

TIME: 4:00pm – 7:00pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5");

LE/EECS1021 3.00 or LE/EECS 1020 (prior to Fall 2015) 3.00 or LE/EECS1022 3.00 or LE/EECS 1720 3.00.

COURSE CREDIT EXCLUSION: AP/ITEC 2620 3.00.

PREVIOUSLY OFFERED AS: LE/EECS1030 3.00, LE/CSE 1030 3.00.

DESCRIPTION: See course description for LE/EECS 2030 3.0A (F)

AP/ITEC 1000 3.0A (F) – INTRODUCTION TO INFORMATION TECHNOLOGIES

INSTRUCTOR: Peter A. Khaiter

OFFICE: TBA

DAY: Monday

TIME: 7:00pm – 10:00 pm

COURSE CREDIT EXCLUSION: GL/ITEC 1011 3.0. PRIOR TO FALL 2009: AK/AS/ITEC 1000 3.0, AK/AS/ITEC 1011 3.0,

GL/ITEC 1011 3.0.

DESCRIPTION: Introduces basic concepts of contemporary information technologies (computers, networks, telecommunications) used to process and store information in organizations. The course material includes both hardware and software components, which students compare, select and combine to solve information problems.

NCR Note: No credit will be retained for this course for students who have successfully completed or who are currently enrolled in any computer science course at the 2000-level or higher.

AP/ITEC 1000 3.0B (F) – INTRODUCTION TO INFORMATION TECHNOLOGIES

INSTRUCTOR: Peter A. Khaiter

OFFICE: TBA

DAY: Wednesday

TIME: 4:00pm – 7:00pm

COURSE CREDIT EXCLUSION: GL/ITEC 1011 3.0. PRIOR TO FALL 2009: AK/AS/ITEC 1000 3.0, AK/AS/ITEC 1011 3.0,

GL/ITEC 1011 3.0.

DESCRIPTION: See course description for AP/ITEC 1000 3.0A (F).

AP/ITEC 1000 3.0M (W) – INTRODUCTION TO INFORMATION TECHNOLOGIES

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Tuesday

TIME: 4:00pm – 7:00pm

COURSE CREDIT EXCLUSION: GL/ITEC 1011 3.0. PRIOR TO FALL 2009: AK/AS/ITEC 1000 3.0, AK/AS/ITEC 1011 3.0,

GL/ITEC 1011 3.0.

DESCRIPTION: See course description for AP/ITEC 1000 3.0A (F).

AP/ITEC 1000 3.0N (W) – INTRODUCTION TO INFORMATION TECHNOLOGIES

INSTRUCTOR: Peter A. Khaiteer

OFFICE: TBA

DAY: Wednesday

TIME: 7:00pm – 10:00pm

COURSE CREDIT EXCLUSION: GL/ITEC 1011 3.0. PRIOR TO FALL 2009: AK/AS/ITEC 1000 3.0, AK/AS/ITEC 1011 3.0, GL/ITEC 1011 3.0.

DESCRIPTION: See course description for AP/ITEC 1000 3.0A (F).

AP/ITEC 1000 3.0O (W) – INTRODUCTION TO INFORMATION TECHNOLOGIES

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Friday

TIME: 2:30pm – 5:30pm

COURSE CREDIT EXCLUSION: GL/ITEC 1011 3.0. PRIOR TO FALL 2009: AK/AS/ITEC 1000 3.0, AK/AS/ITEC 1011 3.0, GL/ITEC 1011 3.0.

DESCRIPTION: See course description for AP/ITEC 1000 3.0A (F).

AP/ITEC 1010 3.0A (F) – INFORMATION AND ORGANIZATIONS

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Tuesday

TIME: 11:30am – 2:30pm

COURSE CREDIT EXCLUSION: GL/ITEC 1010 3.0. PRIOR TO FALL 2009: AK/ITEC 1010 3.0, GL/ITEC 1010 3.0.

DESCRIPTION: The value and importance of information to organizations, how it is used, stored and processed; emphasizes the uses of information technologies of various kinds, the benefits of the technologies, and the associated costs and problems; pertaining to the use of desktop applications.

AP/ITEC 1010 3.0B (F) – INFORMATION AND ORGANIZATIONS

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Tuesday

TIME: 4:00pm – 7:00pm

COURSE CREDIT EXCLUSION: GL/ITEC 1010 3.0. PRIOR TO FALL 2009: AK/ITEC 1010 3.0, GL/ITEC 1010 3.0.

DESCRIPTION: See course description for AP/ITEC 1010 3.0A (F).

AP/ITEC 1010 3.0C (F) – INFORMATION AND ORGANIZATIONS

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Wednesday

TIME: 7:00pm – 10:00pm

COURSE CREDIT EXCLUSION: GL/ITEC 1010 3.0. PRIOR TO FALL 2009: AK/ITEC 1010 3.0, GL/ITEC 1010 3.0.

DESCRIPTION: See course description for AP/ITEC 1010 3.0A (F).

AP/ITEC 1010 3.0M (W) – INFORMATION AND ORGANIZATIONS

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Monday

TIME: 11:30am – 2:30pm

COURSE CREDIT EXCLUSION: GL/ITEC 1010 3.0. PRIOR TO FALL 2009: AK/ITEC 1010 3.0, GL/ITEC 1010 3.0.

DESCRIPTION: See course description for AP/ITEC 1010 3.0A (F).

AP/ITEC 1010 3.0N (W) – INFORMATION AND ORGANIZATIONS

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Wednesday

TIME: 4:00pm – 7:00pm

COURSE CREDIT EXCLUSION: GL/ITEC 1010 3.0. PRIOR TO FALL 2009: AK/ITEC 1010 3.0, GL/ITEC 1010 3.0.

DESCRIPTION: See course description for AP/ITEC 1010 3.0A (F).

AP/ITEC 1010 3.0O (W) – INFORMATION AND ORGANIZATIONS

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Thursday

TIME: 2:30pm – 5:30pm

COURSE CREDIT EXCLUSION: GL/ITEC 1010 3.0. PRIOR TO FALL 2009: AK/ITEC 1010 3.0, GL/ITEC 1010 3.0.

DESCRIPTION: See course description for AP/ITEC 1010 3.0A (F).

AP/ITEC 1010 3.0P (W) – INFORMATION AND ORGANIZATIONS

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Friday

TIME: 11:30am – 2:30pm

COURSE CREDIT EXCLUSION: GL/ITEC 1010 3.0. PRIOR TO FALL 2009: AK/ITEC 1010 3.0, GL/ITEC 1010 3.0.

DESCRIPTION: See course description for AP/ITEC 1010 3.0A (F).

AP/LING 2120 3.0M (W) – PHONOLOGY 1: ANALYSIS

INSTRUCTOR: Emily Elfner

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 11:30am – 1:00pm

PREREQUISITE: Can be taken with a grade of C or higher in either AP/LING 2800 or AP/LING 1000; AP/LING 2110 is NOT necessary for Cognitive Science majors.

COURSE CREDIT EXCLUSION: GL/EN/LIN 3601 3.00; AS/LING 2120 3.00. PRIOR TO FALL 2013: Course Credit Exclusions: GL/EN 3601 3.00, GL/LIN 3601 3.00.

DESCRIPTION: Provides students with the opportunity to develop the analytical skills necessary for more advanced phonological work. Emphasis throughout is on practical analysis and argumentation, drawing on data from a wide variety of languages.

AP/LING 2130 3.0A (F) – MORPHOLOGY 1: ANALYSIS

INSTRUCTOR: Tom Wilson

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 4:30pm – 6:00pm

PREREQUISITE: Can be taken with a grade of C or higher in either AP/LING 2800 or AP/LING 1000.

COURSE CREDIT EXCLUSION: None; PRIOR TO FALL 2009: AS/LING 2130 3.0

DESCRIPTION: An introduction to the nature and organization of morphological patterns in human languages. Students are exposed to a range of cross-linguistic data, with emphasis being placed on how morphological theory accounts for these data.

AP/LING 2140 3.0M (W) – SYNTAX 1: ANALYSIS

INSTRUCTOR: Ruth E King

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 10:30am – 12:30pm

PREREQUISITE: Can be taken with a grade of C or higher in either AP/LING 2800 or AP/LING 1000; AP/LING 2130 is NOT necessary for Cognitive Science majors.

DESCRIPTION: Offers an introduction to syntactic analysis, building on concepts acquired in AP/LING 1000 6.00 and AP/LING 2130 3.00, and paves the way for AP/LING 3140 3.00. Topics include lexical and functional categories, morphosyntactic features, theta-roles and argument structure, the structure of phrases, constituency, and syntactic relationships within the clause.

AP/PHIL 2100 3.0A (F) – INTRODUCTION TO LOGIC

INSTRUCTOR: Judy Pelham

OFFICE: S440

DAY: Monday*

TIME: 2:30pm – 4:30pm

PREREQUISITES: None

COURSE CREDIT EXCLUSION: GL/PHIL 2640 6.0, GL/PHIL 2690 3.0. PRIOR TO FALL 2009: AK/PHIL 2100 3.0. PRIOR TO SUMMER 2007: AS/PHIL 2100 3.0.

DESCRIPTION: Logic, in the philosophical tradition, is the study of what makes arguments valid. It aims to distinguish correct reasoning from faulty reasoning. This course presents the basic elements of modern symbolic logic for the beginning student.

AP/PHIL 2100 3.0M (W) – INTRODUCTION TO LOGIC

INSTRUCTOR: Judy Pelham

OFFICE: S440

DAY: Monday*

TIME: 2:30pm – 4:30pm

PREREQUISITES: None

COURSE CREDIT EXCLUSION: GL/PHIL 2640 6.0, GL/PHIL 2690 3.0. PRIOR TO FALL 2009: AK/PHIL 2100 3.0. PRIOR TO SUMMER 2007: AS/PHIL 2100 3.0.

DESCRIPTION: See course description for AP/PHIL 2100 3.0A (F).

HH/PSYC 2020 6.0B (Y) – STATISTICAL METHODS I AND II

INSTRUCTOR: Ji Yeh Choi

OFFICE: TBA

DAY: Monday

TIME: 2:30pm – 5:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.00, or HH/PSYC 2410 6.0 with a minimum grade of C when used as a prerequisite.

COURSE CREDIT EXCLUSION: See notes below. AP/SOCI 3030 6.00, HH/PSYC 2021 3.00, HH/PSYC 2022 3.00, SC/BIOL 2060 3.00, HH/KINE 2050 3.00, HH/KINE 3150 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00, SC/MATH 2570 3.0, GL/PSYC 2530 3.00, GL/PSYC 2531 3.00.

DESCRIPTION: An introduction to the analysis of data from psychological studies. Fundamental concepts and techniques of both descriptive and inferential statistics and their application to psychological research.

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2020 6.0C (Y) – STATISTICAL METHODS I AND II

INSTRUCTOR: Monique Herbert

OFFICE: TBA

DAY: Monday

TIME: 11:30am – 2:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: See notes below. AP/SOCI 3030 6.00, HH/PSYC 2021 3.00, HH/PSYC 2022 3.00, SC/BIOL 2060 3.00, HH/KINE 2050 3.00, HH/KINE 3150 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00, SC/MATH 2570 3.0, GL/PSYC 2530 3.00, GL/PSYC 2531 3.00.

DESCRIPTION: See course description for HH/PSYC 2020 6.0B (Y).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2020 6.0D (Y) – STATISTICAL METHODS I AND II

INSTRUCTOR: Alistair Mapp

OFFICE: TBA

DAY: Wednesday

TIME: 11:30am – 2:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: See notes below. AP/SOCI 3030 6.00, HH/PSYC 2021 3.00, HH/PSYC 2022 3.00, SC/BIOL 2060 3.00, HH/KINE 2050 3.00, HH/KINE 3150 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00, SC/MATH 2570 3.0, GL/PSYC 2530 3.00, GL/PSYC 2531 3.00.

DESCRIPTION: See course description for HH/PSYC 2020 6.0B(Y).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2020 6.0E (Y) – STATISTICAL METHODS I AND II

INSTRUCTOR: Jodi Martin

OFFICE: TBA

DAY: Friday

TIME: 11:30am – 2:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: See notes below. AP/SOCI 3030 6.00, HH/PSYC 2021 3.00, HH/PSYC 2022 3.00, SC/BIOL 2060 3.00, HH/KINE 2050 3.00, HH/KINE 3150 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00, SC/MATH 2570 3.0, GL/PSYC 2530 3.00, GL/PSYC 2531 3.00.

DESCRIPTION: See course description for HH/PSYC 2020 6.0B (Y).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2020 6.0F (Y) – STATISTICAL METHODS I AND II

INSTRUCTOR: Alistair Mapp

OFFICE: TBA

DAY: Tuesday

TIME: 11:30am – 2:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: See notes below. AP/SOCI 3030 6.00, HH/PSYC 2021 3.00, HH/PSYC 2022 3.00, SC/BIOL 2060 3.00, HH/KINE 2050 3.00, HH/KINE 3150 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00, SC/MATH 2570 3.0, GL/PSYC 2530 3.00, GL/PSYC 2531 3.00.

DESCRIPTION: See course description for HH/PSYC 2020 6.0B (Y).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2020 6.0G (Y) – STATISTICAL METHODS I AND II

INSTRUCTOR: Jodi Martin

OFFICE: TBA

DAY: Thursday

TIME: 2:30pm – 5:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: See notes below. AP/SOCI 3030 6.00, HH/PSYC 2021 3.00, HH/PSYC 2022 3.00, SC/BIOL 2060 3.00, HH/KINE 2050 3.00, HH/KINE 3150 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00, SC/MATH 2570 3.0, GL/PSYC 2530 3.00, GL/PSYC 2531 3.00.

DESCRIPTION: See course description for HH/PSYC 2020 6.0B (Y).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2020 6.0H (Y) – STATISTICAL METHODS I AND II

INSTRUCTOR: Alistair Mapp

OFFICE: TBA

DAY: Thursday

TIME: 11:30am - 2:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: See notes below. AP/SOCI 3030 6.00, HH/PSYC 2021 3.00, HH/PSYC 2022 3.00, SC/BIOL 2060 3.00, HH/KINE 2050 3.00, HH/KINE 3150 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00, SC/MATH 2570 3.0, GL/PSYC 2530 3.00, GL/PSYC 2531 3.00.

DESCRIPTION: See course description for HH/PSYC 2020 6.0B (Y).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

Note 1: The course credit exclusions listed above may not be substituted for HH/PSYC 2020 6.00 to satisfy psychology degree requirements unless approved as acceptable substitutes by the department and Faculty. Please consult the relevant department and Faculty for more information.

Note 2: Students who discontinue registration in HH/PSYC 2020 6.00 after the fall term may not petition for credit for a half course in statistics.

NOTE 1: Students who discontinue registration in Psychology 2020 6.0 at the end of the Fall Term may not petition for credit for a half-course in Statistics.

Course Credit Exclusions (CCE) may not be substituted for AK/AS/HH/SC/PSYC 2020 6.0 to satisfy Psychology degree requirements unless approved as acceptable substitutes by the department and Faculty as listed below. Students cannot take PSYC 2020 6.0 if they have taken another Statistics course (in any Department/Faculty). See the University Calendar for the list of Course Credit Exclusions.

NOTE 2: ONLY COURSES SPECIFIED IN THE FOLLOWING LIST MAY BE SUBSTITUTED FOR THE PSYC 2020 6.0 REQUIREMENT (SIX CREDITS ARE REQUIRED FOR SUBSTITUTION, EXCEPT AS INDICATED BELOW):

HH/PSYC 2021 3.0 and 2022 3.0

HH/PSYC 2510 3.0 / 3110 3.0

AP/ECON 2500 3.0 / 3500 3.0*

AP/ECON 3470 3.0/ 3480 3.0*

HH/KINE 2050 3.0/ 3150 3.0

SC/MATH 2560 3.0/ 2570 3.0

SC/MATH 2565 3.0 - NOT A SUBSTITUTION – CCE ONLY

AP/POLS 3300 6.0* - NOT A SUBSTITUTION – CCE ONLY

AP/SOCI 3030 6.0* - NOT A SUBSTITUTION – CCE ONLY

PLEASE BE ADVISED THAT ALL COURSES LISTED IN “NOTE 3” ARE ALSO COURSE CREDIT EXCLUSIONS FOR PSYC 2020 6.0.

NOTE 3: ONLY COURSES SPECIFIED IN THE FOLLOWING LIST MAY BE SUBSTITUTED FOR THE PSYC 2021 3.0 REQUIREMENT (THREE CREDITS ARE REQUIRED FOR SUBSTITUTION):

HH/PSYC 2020 6.0
HH/PSYC 2510 3.0
GL/PSYC 2530 3.0
SC/BIOL 2060 3.0 (Prior to Summer 2000 – 3090 3.0)
AP/ECON 2500 3.0*
AP/ECON 3470 3.0*
SC/KINE 2050 3.0
SC/MATH 1131 3.0 - UNTIL F/W 2006
SC/MATH 2500 3.0 - NOT A SUBSTITUTION – CCE ONLY
SC/MATH 2560 3.0
AP/POLS 3300 6.0* - NOT A SUBSTITUTION – CCE ONLY
AP/SOCI 3030 6.0* - NOT A SUBSTITUTION – CCE ONLY

NOTE 4: ONLY COURSES SPECIFIED IN THE FOLLOWING LIST MAY BE SUBSTITUTED FOR THE PSYC 2022 3.0 REQUIREMENT (THREE CREDITS ARE REQUIRED FOR SUBSTITUTION):

HH/PSYC 2020 6.0
HH/PSYC 3110 3.0
AP/ECON 3500 3.0*
AP/ECON 3480 3.0*
HH/KINE 3150 3.0
SC/MATH 2570 3.0
AP/POLS 3300 6.0* - NOT A SUBSTITUTION – CCE ONLY
AP/SOCI 3030 6.0* - NOT A SUBSTITUTION – CCE ONLY

* Not appropriate for Science students

HH/PSYC 2021 3.0A (F) – STATISTICAL METHODS I

INSTRUCTOR: Jodi Martin

OFFICE: TBA

DAY: Wednesday

TIME: 2:30pm – 5:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, GL/PSYC 2510 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0, HH/PSYC 2410 6.0, or GL/PSYC 2510 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 2020 6.0, SC/BIOL 2060 3.0, AS/ECON 2500 3.0, AK/ECON 3470 3.0, AS/HH/SC/KINE 2050 3.0, AK/AS/SC/MATH 2500 3.0, AK/AS/SC/MATH 2560 3.0, AS/POLS 3300 6.0, AS/SOCI 3030 6.0, GL/PSYC 2530 3.0, PRIOR TO SUMMER 2002: AK/PSYC 2510 3.0, PRIOR TO SUMMER 2000: SC/BIOL 3090 3.0.

DESCRIPTION: The fundamental concepts and application of descriptive statistics. An introduction to probability and inferential statistics, including hypothesis testing with the normal- and t-distributions.

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2021 3.0B (F) – STATISTICAL METHODS I

INSTRUCTOR: Monique Herbert

OFFICE: TBA

DAY: Friday

TIME: 2:30pm – 5:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, GL/PSYC 2510 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0, HH/PSYC 2410 6.0, or GL/PSYC 2510 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 2020 6.0, SC/BIOL 2060 3.0, AS/ECON 2500 3.0, AK/ECON 3470 3.0, AS/HH/SC/KINE 2050 3.0, AK/AS/SC/MATH 2500 3.0, AK/AS/SC/MATH 2560 3.0, AS/POLS 3300 6.0, AS/SOCI 3030 6.0, GL/PSYC 2530 3.0, PRIOR TO SUMMER 2002: AK/PSYC 2510 3.0, PRIOR TO SUMMER 2000: SC/BIOL 3090 3.0.

DESCRIPTION: See course description for HH/PSYC 2021 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2021 3.0C (F) – STATISTICAL METHODS I

INSTRUCTOR: Richard F Murray

OFFICE: TBA

DAY: Tuesday

TIME: 11:30am – 2:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, GL/PSYC 2510 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0, HH/PSYC 2410 6.0, or GL/PSYC 2510 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 2020 6.0, SC/BIOL 2060 3.0, AS/ECON 2500 3.0, AK/ECON 3470 3.0, AS/HH/SC/KINE 2050 3.0, AK/AS/SC/MATH 2500 3.0, AK/AS/SC/MATH 2560 3.0, AS/POLS 3300 6.0, AS/SOCI 3030 6.0, GL/PSYC 2530 3.0, PRIOR TO SUMMER 2002: AK/PSYC 2510 3.0, PRIOR TO SUMMER 2000: SC/BIOL 3090 3.0.

DESCRIPTION: See course description for HH/PSYC 2021 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2021 3.0M (W) – STATISTICAL METHODS I

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Wednesday

TIME: 7:00pm – 10:00pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, GL/PSYC 2510 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0, HH/PSYC 2410 6.0, or GL/PSYC 2510 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 2020 6.0, SC/BIOL 2060 3.0, AS/ECON 2500 3.0, AK/ECON 3470 3.0, AS/HH/SC/KINE 2050 3.0, AK/AS/SC/MATH 2500 3.0, AK/AS/SC/MATH 2560 3.0, AS/POLS 3300 6.0, AS/SOCI 3030 6.0, GL/PSYC 2530 3.0, PRIOR TO SUMMER 2002: AK/PSYC 2510 3.0, PRIOR TO SUMMER 2000: SC/BIOL 3090 3.0.

DESCRIPTION: See course description for HH/PSYC 2021 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2021 3.0N (W) – STATISTICAL METHODS I

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Wednesday

TIME: 2:30pm – 5:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, GL/PSYC 2510 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0, HH/PSYC 2410 6.0, or GL/PSYC 2510 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 2020 6.0, SC/BIOL 2060 3.0, AS/ECON 2500 3.0, AK/ECON 3470 3.0, AS/HH/SC/KINE 2050 3.0, AK/AS/SC/MATH 2500 3.0, AK/AS/SC/MATH 2560 3.0, AS/POLS 3300 6.0, AS/SOCI 3030 6.0, GL/PSYC 2530 3.0, PRIOR TO SUMMER 2002: AK/PSYC 2510 3.0, PRIOR TO SUMMER 2000: SC/BIOL 3090 3.0.

DESCRIPTION: See course description for HH/PSYC 2021 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology, Business and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2021 3.0O (W) – STATISTICAL METHODS I

INSTRUCTOR: Jodi Martin

OFFICE: TBA

DAY: Tuesday

TIME: 8:30am – 11:30am

Prerequisite or corequisite: HH/PSYC 1010 6.00, GL/PSYC 2510 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0, HH/PSYC 2410 6.0, or GL/PSYC 2510 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 2020 6.0, SC/BIOL 2060 3.0, AS/ECON 2500 3.0, AK/ECON 3470 3.0, AS/HH/SC/KINE 2050 3.0, AK/AS/SC/MATH 2500 3.0, AK/AS/SC/MATH 2560 3.0, AS/POLS 3300 6.0, AS/SOCI 3030 6.0, GL/PSYC 2530 3.0, PRIOR TO SUMMER 2002: AK/PSYC 2510 3.0, PRIOR TO SUMMER 2000: SC/BIOL 3090 3.0.

DESCRIPTION: See course description for HH/PSYC 2021 3.0A (F).

ACCESS SPECIFICATIONS: Reserved for Nursing students ONLY.

HH/PSYC 2021 3.0P (W) – STATISTICAL METHODS I

INSTRUCTOR: Monique Herbert

OFFICE: TBA

DAY: Thursday

TIME: 11:30am – 2:30pm

Prerequisite or corequisite: HH/PSYC 1010 6.00, GL/PSYC 2510 6.00, with a minimum grade of C when used as a prerequisite.

PREREQUISITE: HH/PSYC 1010 6.0, HH/PSYC 2410 6.0, or GL/PSYC 2510 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 2020 6.0, SC/BIOL 2060 3.0, AS/ECON 2500 3.0, AK/ECON 3470 3.0, AS/HH/SC/KINE 2050 3.0, AK/AS/SC/MATH 2500 3.0, AK/AS/SC/MATH 2560 3.0, AS/POLS 3300 6.0, AS/SOCI 3030 6.0, GL/PSYC 2530 3.0, PRIOR TO SUMMER 2002: AK/PSYC 2510 3.0, PRIOR TO SUMMER 2000: SC/BIOL 3090 3.0.

DESCRIPTION: See course description for HH/PSYC 2021 3.0A (F).

ACCESS SPECIFICATIONS: Reserved for Nursing students ONLY.

HH/PSYC 2030 3.0A (F) – INTRODUCTION TO RESEARCH METHODS

INSTRUCTOR: Raymond A Mar

OFFICE: TBA

DAY: Monday

TIME: 2:30pm – 5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 OR HH/PSYC 2410 6.0, with a minimum grade of C. One of HH/PSYC 2020 6.0, HH/PSYC 2021 3.0, or HH/PSYC 2510 3.0

Prerequisite or corequisites: One of HH/PSYC 2020 6.00, HH/PSYC 2021 3.00.

COURSE CREDIT EXCLUSION: EN/ENVS 3009 3.0, AS/SC/KINE 2049 4.0, GL/PSYC 2520 3.0, PRIOR TO SUMMER 2003: ES/ENVS 2010 6.0, PRIOR TO SUMMER 2002: AK/PSYC 2530 3.0.

DESCRIPTION: An introduction to the use of experimental and non-experimental research methods by psychologists in the study of behaviour. Topics such as research design, external and internal validity, sources of bias, APA style and ethics are considered.

NCR note: No credit will be retained for this course for students who have passed or are taking AK/AS/HH/SC/PSYC 3010 3.0 or AK/HH/PSYC 3180 3.0 (prior to Summer 2002).

ACCESS SPECIFICATIONS: All spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2030 3.0B (F) – INTRODUCTION TO RESEARCH METHODS

INSTRUCTOR: Michael Pettit

OFFICE: TBA

DAY: Wednesday

TIME: 2:30pm – 5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 OR HH/PSYC 2410 6.0, with a minimum grade of C. One of HH/PSYC 2020 6.0, HH/PSYC 2021 3.0, or HH/PSYC 2510 3.0

Prerequisite or corequisites: One of HH/PSYC 2020 6.00, HH/PSYC 2021 3.00.

COURSE CREDIT EXCLUSION: EN/ENVS 3009 3.0, AS/SC/KINE 2049 4.0, GL/PSYC 2520 3.0, PRIOR TO SUMMER 2003: ES/ENVS 2010 6.0, PRIOR TO SUMMER 2002: AK/PSYC 2530 3.0.

DESCRIPTION: See course description for HH/PSYC 2030 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2030 3.0C (F) – INTRODUCTION TO RESEARCH METHODS

INSTRUCTOR: Michael Pettit

OFFICE: TBA

DAY: Friday

TIME: 11:30am – 2:30pm

PREREQUISITE: HH/PSYC 1010 6.0 OR HH/PSYC 2410 6.0, with a minimum grade of C. One of HH/PSYC 2020 6.0, HH/PSYC 2021 3.0, or HH/PSYC 2510 3.0

Prerequisite or corequisites: One of HH/PSYC 2020 6.00, HH/PSYC 2021 3.00.

COURSE CREDIT EXCLUSION: EN/ENVS 3009 3.0, AS/SC/KINE 2049 4.0, GL/PSYC 2520 3.0, PRIOR TO SUMMER 2003: ES/ENVS 2010 6.0, PRIOR TO SUMMER 2002: AK/PSYC 2530 3.0.

DESCRIPTION: See course description for HH/PSYC 2030 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2030 3.0D (F) – INTRODUCTION TO RESEARCH METHODS

INSTRUCTOR: Rebecca Jubis

OFFICE: TBA

DAY: Thursday

TIME: 5:30pm – 8:30pm

PREREQUISITE: HH/PSYC 1010 6.0 OR HH/PSYC 2410 6.0, with a minimum grade of C. One of HH/PSYC 2020 6.0, HH/PSYC 2021 3.0, or HH/PSYC 2510 3.0

Prerequisite or corequisites: One of HH/PSYC 2020 6.00, HH/PSYC 2021 3.00.

COURSE CREDIT EXCLUSION: EN/ENVS 3009 3.0, AS/SC/KINE 2049 4.0, GL/PSYC 2520 3.0, PRIOR TO SUMMER 2003: ES/ENVS 2010 6.0, PRIOR TO SUMMER 2002: AK/PSYC 2530 3.0

DESCRIPTION: See course description for HH/PSYC 2030 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2030 3.0M (W) – INTRODUCTION TO RESEARCH METHODS

INSTRUCTOR: Rebecca Jubis

OFFICE: TBA

DAY: Friday

TIME: 11:30am - 2:30pm

PREREQUISITE: HH/PSYC 1010 6.0 OR HH/PSYC 2410 6.0, with a minimum grade of C. One of HH/PSYC 2020 6.0, HH/PSYC 2021 3.0, or HH/PSYC 2510 3.0

Prerequisite or corequisites: One of HH/PSYC 2020 6.00, HH/PSYC 2021 3.00.

COURSE CREDIT EXCLUSION: EN/ENVS 3009 3.0, AS/SC/KINE 2049 4.0, GL/PSYC 2520 3.0, PRIOR TO SUMMER 2003: ES/ENVS 2010 6.0, PRIOR TO SUMMER 2002: AK/PSYC 2530 3.0

DESCRIPTION: See course description for HH/PSYC 2030 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2030 3.0N (W) – INTRODUCTION TO RESEARCH METHODS

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Thursday

TIME: 2:30pm-5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 OR HH/PSYC 2410 6.0, with a minimum grade of C. One of HH/PSYC 2020 6.0, HH/PSYC 2021 3.0, or HH/PSYC 2510 3.0

Prerequisite or corequisites: One of HH/PSYC 2020 6.00, HH/PSYC 2021 3.00

COURSE CREDIT EXCLUSION: EN/ENVS 3009 3.0, AS/SC/KINE 2049 4.0, GL/PSYC 2520 3.0, PRIOR TO SUMMER 2003: ES/ENVS 2010 6.0, PRIOR TO SUMMER 2002: AK/PSYC 2530 3.0

DESCRIPTION: See course description for HH/PSYC 2030 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2030 3.0O (W) – INTRODUCTION TO RESEARCH METHODS

INSTRUCTOR: Rebecca Jubis

OFFICE: TBA

DAY: Monday

TIME: 2:30pm – 5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 OR HH/PSYC 2410 6.0, with a minimum grade of C. One of HH/PSYC 2020 6.0, HH/PSYC 2021 3.0, or HH/PSYC 2510 3.0

Prerequisite or corequisites: One of HH/PSYC 2020 6.00, HH/PSYC 2021 3.00

COURSE CREDIT EXCLUSION: EN/ENVS 3009 3.0, AS/SC/KINE 2049 4.0, GL/PSYC 2520 3.0, PRIOR TO SUMMER 2003: ES/ENVS 2010 6.0, PRIOR TO SUMMER 2002: AK/PSYC 2530 3.0

DESCRIPTION: See course description for HH/PSYC 2030 3.0A (F).

ACCESS SPECIFICATIONS: All spaces are held for Psychology and Cognitive Science majors/minors.

C. MID-LEVEL COMPUTER SCIENCE, LINGUISTICS, PHILOSOPHY, PSYCHOLOGY

Take 9 credits from the following,
and including at least two different disciplines (departments):

LE/EECS 2011 3.0A (F) – FUNDAMENTALS OF DATA STRUCTURES

INSTRUCTOR: Jeffrey A Edmonds

OFFICE: TBA

DAY: Tuesday

TIME: 6:00pm – 7:30pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1030 3.00 or LE/EECS 2030 3.00; LE/EECS 1028 3.00 OR SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2011 3.00.

COURSE CREDIT EXCLUSION: LE/CSE 20111 3.00, AK/AS/SC/CSE 2011 3.00, AK/AS/SC/COSC 2011 3.00

DESCRIPTION: A study of fundamental data structures and their use in the efficient implementation of algorithms. Topics include abstract data types, lists, stacks, queues, trees and graphs.

LE/EECS 2011 3.0E (F) – FUNDAMENTALS OF DATA STRUCTURES

INSTRUCTOR: Jia Xu

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 9:30am - 11:00am

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1030 3.00 or LE/EECS 2030 3.00; LE/EECS 1028 3.00 OR SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2011 3.00.

COURSE CREDIT EXCLUSION: LE/CSE 20111 3.00, AK/AS/SC/CSE 2011 3.00, AK/AS/SC/COSC 2011 3.00

DESCRIPTION: See course description for LE/EECS 2011 3.0A (F).

LE/EECS 2011 3.0M (W) – FUNDAMENTALS OF DATA STRUCTURES

INSTRUCTOR: Zbigniew Stachniak

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 7:00pm – 8:30pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1030 3.00 or LE/EECS 2030 3.00; LE/EECS 1028 3.00 OR SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2011 3.00.

COURSE CREDIT EXCLUSION: LE/CSE 20111 3.00, AK/AS/SC/CSE 2011 3.00, AK/AS/SC/COSC 2011 3.00

DESCRIPTION: See course description for LE/EECS 2011 3.0A (F).

LE/EECS 2011 3.0N (W) – FUNDAMENTALS OF DATA STRUCTURES

INSTRUCTOR: Andranik Mirzaian

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 4:00pm – 5:30pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1030 3.00 or LE/EECS 2030 3.00; LE/EECS 1028 3.00 OR SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2011 3.00.

COURSE CREDIT EXCLUSION: LE/CSE 20111 3.00, AK/AS/SC/CSE 2011 3.00, AK/AS/SC/COSC 2011 3.00

DESCRIPTION: See course description for LE/EECS 2011 3.0A (F).

LE/EECS 2011 3.0O (W) – FUNDAMENTALS OF DATA STRUCTURES

INSTRUCTOR: Andranik Mirzaian

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 10:00am – 11:30am

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1030 3.00 or LE/EECS 2030 3.00; LE/EECS 1028 3.00 OR SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2011 3.00.

COURSE CREDIT EXCLUSION: LE/CSE 20111 3.00, AK/AS/SC/CSE 2011 3.00, AK/AS/SC/COSC 2011 3.00

DESCRIPTION: See course description for LE/EECS 2011 3.0A (F).

LE/EECS 2011 3.0Z (W) – FUNDAMENTALS OF DATA STRUCTURES

INSTRUCTOR: Uyen T Nguyen

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 1:00pm – 2:30pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 1030 3.00 or LE/EECS 2030 3.00; LE/EECS 1028 3.00 OR SC/MATH 1028 3.00 or LE/EECS 1019 3.00 or SC/MATH 1019 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 2011 3.00. COURSE CREDIT EXCLUSION: LE/CSE 20111 3.00, AK/AS/SC/CSE 2011 3.00, AK/AS/SC/COSC 2011 3.00

DESCRIPTION: See course description for LE/EECS 2011 3.0A (F).

LE/EECS 3401 3.0A (F) – INTRODUCTION TO ARTIFICIAL INTELLIGENCE AND LOGIC PROGRAMMING

INSTRUCTOR: Zbigniew Stachniak

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 1:00pm - 2:30pm

PREREQUISITE: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 2030 3.00 or LE/EECS 1030 3.00; LE/EECS 2011 3.00; MATH 1090 3.00. PREVIOUSLY OFFERED AS: LE/CSE 3401 3.00. PRIOR TO FALL 2014

COURSE CREDIT EXCLUSION: LE/CSE 3402 3.00. PRIOR TO SUMMER 2013: course credit exclusions: SC/CSE 3401 3.00, SC/CSE 3402 3.00. AK/AS/SC/COSC 3401 3.00, LE/SC/CSE3401 3.00, LE/SC/CSE 3402 3.00.

DESCRIPTION: Artificial Intelligence (AI) deals with how to build intelligent systems. In this course, we examine fundamental concepts in AI: knowledge representation and reasoning, search, constraint satisfaction, reasoning under uncertainty, etc. The course also introduces logic programming and Prolog.

AP/ITEC 3230 3.0A (F) – DESIGNING USER INTERFACES

INSTRUCTOR: Enamul H Prince

OFFICE: TBA

DAY: Wednesday

TIME: 11:30am – 2:30pm

PREREQUISITE: AP/ITEC 1000 3.00, AP/ITEC 1010 3.00, AP/ITEC 1620 3.00, AP/ITEC 2600 3.00, AP/ITEC 2610 3.00, AP/ITEC 2620 3.00, SC/MATH 1190 3.00, SC/MATH 2565 3.00.

COURSE CREDIT EXCLUSION: SC/CSE 3461 3.0. PRIOR TO FALL 2014: Course credit exclusions: LE/CSE 3461 3.00. PRIOR TO SUMMER 2013: Prerequisites: General prerequisites. Course credit exclusions: SC/CSE 3461 3.00. PRIOR TO FALL 2009: AK/ITEC 3230 3.0, AK/AS/ITEC 3461 3.0, AK/AS/SC/COSC 3461 3.0, AK/AS/SC/CSE 3461 3.0

DESCRIPTION: Examines a range of topics in the analysis and design of interfaces and human-computer interaction. Focusing on the human perspective, the course will discuss improving interaction with computers and reducing the possible mismatch between human and machine.

Note: This course will not count for computer science major or minor credit.

AP/ITEC 3230 3.0M (W) – DESIGNING USER INTERFACES

INSTRUCTOR: Enamul H Prince

OFFICE: TBA

DAY: Monday

TIME: 7:00pm - 10:00pm

PREREQUISITE: AP/ITEC 1000 3.00, AP/ITEC 1010 3.00, AP/ITEC 1620 3.00, AP/ITEC 2600 3.00, AP/ITEC 2610 3.00, AP/ITEC 2620 3.00, SC/MATH 1190 3.00, SC/MATH 2565 3.00.

COURSE CREDIT EXCLUSION: SC/CSE 3461 3.0. PRIOR TO FALL 2014: Course credit exclusions: LE/CSE 3461 3.00. PRIOR TO SUMMER 2013: Prerequisites: General prerequisites. Course credit exclusions: SC/CSE 3461 3.00. PRIOR TO FALL 2009: AK/ITEC 3230 3.0, AK/AS/ITEC 3461 3.0, AK/AS/SC/COSC 3461 3.0, AK/AS/SC/CSE 3461 3.0

DESCRIPTION: See description for AP/ITEC 3230 3.0A (F).

AP/ITEC 3230 3.0N (W) – DESIGNING USER INTERFACES

INSTRUCTOR: Enamul H Prince

OFFICE: TBA

DAY: Wednesday

TIME: 2:30pm – 5:30pm

PREREQUISITE: AP/ITEC 1000 3.00, AP/ITEC 1010 3.00, AP/ITEC 1620 3.00, AP/ITEC 2600 3.00, AP/ITEC 2610 3.00, AP/ITEC 2620 3.00, SC/MATH 1190 3.00, SC/MATH 2565 3.00.

COURSE CREDIT EXCLUSION: SC/CSE 3461 3.0. PRIOR TO FALL 2014: Course credit exclusions: LE/CSE 3461 3.00.

PRIOR TO SUMMER 2013: Prerequisites: General prerequisites. Course credit exclusions: SC/CSE 3461 3.00. PRIOR TO FALL 2009: AK/ITEC 3230 3.0, AK/AS/ITEC 3461 3.0, AK/AS/SC/COSC 3461 3.0, AK/AS/SC/CSE 3461 3.0

DESCRIPTION: See description for AP/ITEC 3230 3.0A (F).

AP/LING 3120 3.0A (F) – PHONOLOGY 2: THEORY

INSTRUCTOR: Tom Wilson

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 11:30am – 1:00pm

PREREQUISITE: Can be taken if AP/LING 2120 has been completed with a grade of C or above.

COURSE CREDIT EXCLUSION: None. PRIOR TO FALL 2009: AS/LING 3120 3.0

DESCRIPTION: This course builds on the skills acquired in AP/LING 2120 3.00. Students will continue with problem sets from a variety of languages, while being introduced to key issues in current phonological theory.

AP/LING 3140 3.0A (F) – SYNTAX 2: THEORY

INSTRUCTOR: Gabriela Alboiu

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 11:30am – 1:00pm

PREREQUISITE: Can be taken if either AP/LING 2130 or AP/LING 2140 has been completed with a grade of C or above.

DESCRIPTION: Focuses on core aspects of syntactic theory from a Minimalist perspective. Concepts covered in AP/LING 2140 3.00 are assumed throughout. Topics discussed include argument structure, VP shells, properties of functional categories, Case theory, head and XP movement, and DP structure, among others.

AP/LING 3150 3.0M (W) – SEMANTICS

INSTRUCTOR: Youri Zabbal

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 11:30am – 1:00pm

PREREQUISITE: Can be taken with a grade of C or higher in either AP/LING 2800 or AP/LING 1000.

COURSE CREDIT EXCLUSION: GL/LIN 3611 3.00, GL/LIN 3611 3.00.

DESCRIPTION: An introduction to topics in formal semantics. The emphasis is on providing students with an understanding of a wide range of semantic phenomena by adopting a truth-conditional account of meaning using a limited formal apparatus. Topics covered include propositional and first order logic, modality and possible worlds, definite and indefinite descriptions, event semantics and tense and aspect.

AP/LING 3210 3.0M (W) – FIRST LANGUAGE ACQUISITION

INSTRUCTOR: Chandan Narayan

OFFICE: TBA

DAY: Monday and Wednesday

TIME: 11:30am – 1:00pm

PREREQUISITE: Can be taken with a grade of C or higher in AP/LING 2800 or AP/LING 1000.

COURSE CREDIT EXCLUSION: None. PRIOR TO FALL 2009: AS/LING 3210 3.0.

DESCRIPTION: An introduction to children's acquisition of linguistic knowledge, including lexical, morphological, phonological, syntactic, and pragmatic development, and familiarizes students with fundamental issues in current theoretical models of language acquisition.

AP/LING 3220 3.0A (F) – PSYCHOLINGUISTICS (Cross-listed to HH/PSYC 3290)

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 1:00pm – 2:30pm

PREREQUISITE: Can be taken with a grade of C or higher in either AP/LING 2800 or AP/LING 1000.

COURSE CREDIT EXCLUSION: HH/PSYC 3190 3.00, GL/PSYC 3640 3.00, GL/LIN 3640 3.00. PRIOR TO FALL 2009: AS/LING 3210 3.0.

DESCRIPTION: A survey of psycholinguistic research and theory. Topics chosen from the following: introduction to language structure, biological basis for language, speech perception, sentence processing, speech production, relation of language and thought, language acquisition and atypical language.

AP/LING 3220 3.0M (W) – PSYCHOLINGUISTICS (Cross-listed to HH/PSYC 3290)

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Monday

TIME: 2:30pm – 5:30pm

PREREQUISITE: HH/PSYC 1010 6.00, with a minimum grade of C, or AP/LING 1000 6.00. PRIOR TO FALL 2009:

AS/LING 1000 6.0 or AS/LING 3220 3.0

COURSE CREDIT EXCLUSION: HH/PSYC 3190 3.00, GL/PSYC 3640 3.00, GL/LIN 3640 3.00. PRIOR TO FALL 2009: AS/LING 3210 3.0.

DESCRIPTION: See course description for AP/LING 3220 3.0A (F).

AP/PHIL 3265 3.0A (F) – PHILOSOPHY OF MIND

INSTRUCTOR: Verena Gottschling

OFFICE: S444

DAY: Monday

TIME: 11:30am – 2:30pm

PREREQUISITE: AP/PHIL 2160 3.0 or AP/PHIL 2240 3.0. PRIOR TO FALL 2009: At least six credits in philosophy including one of: AK/AS/PHIL 2160 3.0, AK/PHIL 2240 3.0 or AS/PHIL 2240 3.0.

COURSE CREDIT EXCLUSION: GL/PHIL 3657 3.0. PRIOR TO FALL 2009: AS/PHIL 3260 3.0, AS/PHIL 3265 3.0.

DESCRIPTION: Topics covered include the ontological status of the mind, the nature of mental causation, consciousness and its relation to our status as rational persons equipped with free will. Other possible questions include: Is language necessary for thought? Can some nonhuman animals think? What is the relationship between emotions and rationality?

HH/PSYC 2110 3.0A (F) – DEVELOPMENTAL PSYCHOLOGY

INSTRUCTOR: Jessica Sutherland

OFFICE: TBA

DAY: Tuesday

TIME: 2:30pm – 5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0, with a minimum grade of C.

COURSE CREDIT EXCLUSION: HH/PSYC 3240 3.0, GL/PSYC 3300 3.0.

DESCRIPTION: This course considers physical, intellectual, emotional and social development from birth through adolescence and the impact of the interaction of these various aspects of development upon the individual as a whole.

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2110 3.0B (F) – DEVELOPMENTAL PSYCHOLOGY

INSTRUCTOR: Scott A Adler

OFFICE: TBA

DAY: Friday

TIME: 11:30am – 2:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0, with a minimum grade of C.

COURSE CREDIT EXCLUSION: HH/PSYC 3240 3.0, GL/PSYC 3300 3.0.

DESCRIPTION: See course description for HH/PSYC 2110 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2110 3.0C (F) – DEVELOPMENTAL PSYCHOLOGY

INSTRUCTOR: Thanujeni Pathman

OFFICE: TBA

DAY: FULLY ONLINE

TIME:

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0, with a minimum grade of C.

COURSE CREDIT EXCLUSION: HH/PSYC 3240 3.0, GL/PSYC 3300 3.0.

DESCRIPTION: See course description for HH/PSYC 2110 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2110 3.0M (W) – DEVELOPMENTAL PSYCHOLOGY

INSTRUCTOR: Jean Varghese

OFFICE: TBA

DAY: Friday

TIME: 11:30am – 2:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0, with a minimum grade of C.

COURSE CREDIT EXCLUSION: HH/PSYC 3240 3.0, GL/PSYC 3300 3.0.

DESCRIPTION: See course description for HH/PSYC 2110 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2110 3.0N (W) – DEVELOPMENTAL PSYCHOLOGY

INSTRUCTOR: Ellen B Bialystok

OFFICE: TBA

DAY: Wednesday

TIME: 2:30pm – 5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0, with a minimum grade of C.

COURSE CREDIT EXCLUSION: HH/PSYC 3240 3.0, GL/PSYC 3300 3.0.

DESCRIPTION: See course description for HH/PSYC 2110 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2120 3.0A (F) – SOCIAL PSYCHOLOGY

INSTRUCTOR: C. Ward Struthers

OFFICE: TBA

DAY: Wednesday

TIME: 11:30am – 2:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/PSYC 3210 3.0, GL/PSYC 3660 3.0, AK/PSYC 3700C 3.0.

DESCRIPTION: This course reviews the theories, methods and empirical evidence in the scientific study of human social behaviour. The aim is to elucidate social psychological processes through the examination of areas such as social influence, attribution, attitudes and stereotyping.

ACCESS SPECIFICATIONS: Most spaces are held for Psychology, Business and Society, Law and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2120 3.0B (F) – SOCIAL PSYCHOLOGY

INSTRUCTOR: C. Ward Struthers

OFFICE: TBA

DAY: Thursday

TIME: 8:30am - 11:30am

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/PSYC 3210 3.0, GL/PSYC 3660 3.0, AK/PSYC 3700C 3.0.

DESCRIPTION: See course description for HH/PSYC 2120 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology, Business and Society, Law and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2120 3.0C (F) – SOCIAL PSYCHOLOGY

INSTRUCTOR: W. Struthers

OFFICE: TBA

DAY: Tuesday

TIME: 8:30am - 11:30am

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/PSYC 3210 3.0, GL/PSYC 3660 3.0, AK/PSYC 3700C 3.0.

DESCRIPTION: See course description for HH/PSYC 2120 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology, Business and Society, Law and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2120 3.0N (W) – SOCIAL PSYCHOLOGY

INSTRUCTOR: Kerry Kawakami

OFFICE: TBA

DAY: Wednesday

TIME: 11:30am – 2:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/PSYC 3210 3.0, GL/PSYC 3660 3.0, AK/PSYC 3700C 3.0.

DESCRIPTION: See course description for HH/PSYC 2120 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology, Business and Society, Law and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2120 3.0O (W) – SOCIAL PSYCHOLOGY

INSTRUCTOR: Kerry Kawakami

OFFICE: TBA

DAY: Wednesday

TIME: 2:30pm – 5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0 with a minimum grade of C

COURSE CREDIT EXCLUSION: AK/PSYC 3210 3.0, GL/PSYC 3660 3.0, AK/PSYC 3700C 3.0.

DESCRIPTION: See course description for HH/PSYC 2120 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology, Business and Society, Law and Society, Cognitive Science and Communication Studies majors/minors.

HH/PSYC 2220 3.0A (F) – SENSATION AND PERCEPTION I

INSTRUCTOR: Laurie M Wilcox

OFFICE: TBA

DAY: FULLY ONLINE

TIME:

PREREQUISITE: HH/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C.

COURSE CREDIT EXCLUSION: HH/PSYC 3120 3.0, GL/PSYC 3690 3.0.

DESCRIPTION: A course in problems, experimental methods and research findings in sensation and perception. Vision and hearing are covered in some detail, including discussion of the structure and function of the eye and ear, and cortical areas responsible for processing visual and auditory information.

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2220 3.0B (F) – SENSATION AND PERCEPTION I

INSTRUCTOR: Ingo Freund

OFFICE: TBA

DAY: Monday

TIME: 2:30pm - 5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C.

COURSE CREDIT EXCLUSION: HH/PSYC 3120 3.0, GL/PSYC 3690 3.0.

DESCRIPTION: See course description for HH/ PSYC 2220 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2240 3.0A (F) – BIOLOGICAL BASIS OF BEHAVIOUR

INSTRUCTOR: Kristina Gicas

OFFICE: TBA

DAY: Friday

TIME: 2:30pm – 5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C

COURSE CREDIT EXCLUSION: HH/PSYC 3145 3.0, GL/PSYC 3670 3.0.

DESCRIPTION: An introduction to fundamental principles of brain function and neural organization, as illustrated by classic findings and current research. Topics may include sleep and dreaming, memory, sensory motor processing, motivation (e.g. eating, reproductive behaviours), higher cognitive processes and neurological disorders.

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2240 3.0B (F) – BIOLOGICAL BASIS OF BEHAVIOUR

INSTRUCTOR: Kristina Gicas

OFFICE: TBA

DAY: Thursday

TIME: 11:30am – 2:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C.

COURSE CREDIT EXCLUSION: HH/PSYC 3145 3.0, GL/PSYC 3670 3.0.

DESCRIPTION: See course description for HH/ PSYC 2240 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 2240 3.0M (W) – BIOLOGICAL BASIS OF BEHAVIOUR

INSTRUCTOR: Peter Je Kohler

OFFICE: TBA

DAY: Friday

TIME: 11:30am – 2:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C.

COURSE CREDIT EXCLUSION: HH/PSYC 3145 3.0, GL/PSYC 3670 3.0.

DESCRIPTION: See course description for HH/ PSYC 2240 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 3250 3.0M (W) – NEURAL BASIS OF BEHAVIOUR

INSTRUCTOR: Gary Turner

OFFICE: TBA

DAY: Thursday

TIME: 11:30am - 2:30pm

PREREQUISITES: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0, with a minimum grade of C and HH/PSYC 2240 3.0 or HH/PSYC 3145 3.0.

DESCRIPTION: This course surveys issues concerning the development and localization of cerebral functions, and examines experimental and clinical studies illustrating behavioural effects of brain damage.

ACCESS SPECIFICATIONS: Most spaces are held for Psychology and Cognitive Science majors/minors.

HH/PSYC 3265 3.0A (F) – MEMORY

INSTRUCTOR: Shayna Rosenbaum

OFFICE: TBA

DAY: Thursday

TIME: 11:30am - 2:30pm

PREREQUISITES: HH/PSYC 1010 6.00, with a minimum grade of C.

COURSE CREDIT EXCLUSION: GL/PSYC 3390 3.00.

DESCRIPTION: An examination of how humans encode, store and retrieve information from memory. Although the course focuses on data from laboratory studies and their theoretical interpretation, some consideration is given to applied aspects of human memory.

HH/PSYC 3265 3.0M (W) – MEMORY

INSTRUCTOR: Norman W Park

OFFICE: TBA

DAY: Tuesday

TIME: 11:30am - 2:30pm

PREREQUISITES: HH/PSYC 1010 6.00, with a minimum grade of C.

COURSE CREDIT EXCLUSION: GL/PSYC 3390 3.00.

DESCRIPTION: See course description for HH/PSYC 3265 3.0A (F)

HH/PSYC 3280 3.0N (W) Animal Behaviour

INSTRUCTOR: Agnieszka Kopinska

OFFICE: BSB 212

DAY: Wednesday 7:00pm – 10:00pm

PREREQUISITES: HH/PSYC 1010 6.00, with a minimum grade of C

COURSE CREDIT EXCLUSION: GL/PSYC 3675 3.00, GL/PSYC 3680 3.00.

DESCRIPTION: An introduction to the study of animal behaviour including comparative psychology, behavioural ecology, ethology and sociobiology.

HH/PSYC 3290 3.0A (F) – PSYCHOLINGUISTICS (Cross-listed to: AP/LING 3220 3.0)

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 1:00pm – 2:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0, with a minimum grade of C, or AP/LING 1000 6.0

COURSE CREDIT EXCLUSION: HH/PSYC 3190 3.0, GL/PSYC 3640 3.0, GL/LIN 3640 3.0. PRIOR TO SUMMER 2002: AK/PSYC 3250 3.0.

PRIOR TO FALL/WINTER 2007/2008: AK/AS/SC/PSYC 3190 3.0.

DESCRIPTION: A survey of psycholinguistic research and theory. Topics chosen from the following: introduction to language structure, biological basis for language, speech perception, sentence processing, speech production, relation of language and thought, language acquisition and atypical language.

ACCESS SPECIFICATIONS: Most spaces are held for students majoring in Psychology, Linguistics or Cognitive Science.

HH/PSYC 3290 3.0M (W) – PSYCHOLINGUISTICS (Cross-listed to: LING 3220 3.0)

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Monday

TIME: 2:30pm - 5:30pm

PREREQUISITE: HH/PSYC 1010 6.0 or HH/PSYC 2410 6.0, with a minimum grade of C, or AP/LING 1000 6.0

COURSE CREDIT EXCLUSION: HH/PSYC 3190 3.0, GL/PSYC 3640 3.0, GL/LIN 3640 3.0. PRIOR TO SUMMER 2002:

AK/PSYC 3250 3.0. PRIOR TO FALL/WINTER 2007/2008: AK/AS/SC/PSYC 3190 3.0.

DESCRIPTION: See course description for HH/PSYC 3290 3.0A (F).

ACCESS SPECIFICATIONS: Most spaces are held for students majoring in Psychology, Linguistics or Cognitive Science.

D. UPPER LEVEL COMPUTER SCIENCE, LINGUISTICS, PSYCHOLOGY, PHILOSOPHY

Take 6 credits from the following,
at least two different disciplines (departments):

LE/EECS 4401 3.0M (W) – ARTIFICIAL INTELLIGENCE

INSTRUCTOR: Yves Lesperance

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 11::30am – 1:00pm

PREREQUISITES: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 2030 3.00 or LE/EECS 1030 3.00; LE/EECS 3401 3.00.

DESCRIPTION: This is a second course in Artificial intelligence that covers selected topics in this area such as: reasoning about action and planning, uncertain and fuzzy reasoning, knowledge representation, automated reasoning, non-monotonic reasoning and answer set programming, ontologies and description logic, local search methods, Markov decision processes, autonomous agents and multi-agent systems, machine learning, reasoning about beliefs and goals, and expert systems.

LE/EECS 4421 3.0 –INTROUCTION TO ROBOTICS

NOT OFFERED – 2019 - 2020

LE/EECS 4422 3.0A (F) – COMPUTER VISION - INTEGRATED WITH GS/EECS 5323 3.0

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Monday and Wednesday*

TIME: 11:30am - 1:00pm

PREREQUISITES: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 2030 3.00 or LE/EECS 1030 3.00; SC/MATH 1025 3.00; SC MATH 1310 3.00, LE/EECS 2031 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 4422 3.00.

DESCRIPTION: Fundamental concepts of Computer vision and including aspects of biological vision, image formation process, image processing, feature extraction and matching, 3-D parameter estimation, applications and statistical techniques.

LE/EECS 4441 3.0A (F) – HUMAN-COMPUTER INTERACTION - INTEGRATED WITH GS/EECS 5351 3.0

INSTRUCTOR: Melanie Baljko

OFFICE: TBA

DAY: Tuesday and Thursday

TIME: 2:30pm – 4:00pm

PREREQUISITES: cumulative GPA of 4.50 or better over all major EECS courses (without second digit "5"); LE/EECS 2030 3.00 or LE/EECS 1030 3.00; LE/EECS 3461 3.00.

PREVIOUSLY OFFERED AS: LE/CSE 4441 3.00.

DESCRIPTION: Introduces the concepts and technology necessary to design, manage and implement interactive software. Students work in small groups and learn how to design user interfaces, how to realize them and how to evaluate the end result. Both design and evaluation are emphasized.

AP/LING 4120 3.0M (W) – ADVANCED PHONOLOGY– INTEGRATED WITH GS/LING 5120 3.0

INSTRUCTOR: Tom Wilson

OFFICE: TBA

DAY: Friday

TIME: 11:30am – 2:30pm

PREREQUISITE: Can be taken with a grade of C+ or higher in 3120 and a grade of C+ or higher in one other 3000-level course.

DESCRIPTION: Concentrates on recent advances in phonological theory within a generative framework. Specific topics include constraint- vs. rule-based approaches to phonology, segmental representation, markedness, and the relation between phonetics and phonology.

AP/LING 4140 3.0M (W) – ADVANCED SYNTAX – INTEGRATED WITH GS/LING 5140 3.0

INSTRUCTOR: Gabriela Alboiu

OFFICE: TBA

DAY: Tuesday

TIME: 2:30pm - 5:30pm

PREREQUISITE: Can be taken with a grade of C+ or higher in 3140 and a grade of C+ or higher in one other 3000-level course.

DESCRIPTION: This course aims at providing students with an in-depth understanding of the interaction between theoretical assumptions, analysis and data in syntax. The course concentrates primarily on Minimalist approaches to raising and control, PRO, Case features, (wh)-operators, and phases. Involves primary literature.

AP/LING 4150 3.0 – TOPICS IN THE SYNTAX-SEMANTICS INTERFACE– INTEGRATED WITH GS/LING 5150 3.0

NOT OFFERED – 2019 - 2020

AP/LING 4230 3.0A (F) – LANGUAGE AND THE BRAIN

INSTRUCTOR: Chandan Narayan

OFFICE: TBA

DAY: Tuesday

TIME: 2:30pm - 5:30pm

PREREQUISITE: Can be taken with a grade of C+ or higher in 3220 and a grade of C+ or higher in one other 3000-level course.

COURSE CREDIT EXCLUSIONS: PRIOR TO SUMMER 2010: AP/LING 4230 3.00 (Language and the Brain) was AP/LING 4230 3.00 (Language Disorders).

DESCRIPTION: Focuses on the relationship between the human brain and comprehension, production, and acquisition of language. It surveys a variety of language disorders, such as aphasia, delayed language development, dyslexia and language dissolution in old age.

AP/LING 4250 3.0 – EVOLUTION OF LANGUAGE

NOT OFFERED – 2019 – 2020

AP/PHIL 3200 3.0A (F) – PHILOSOPHY OF LANGUAGE

INSTRUCTOR: Claudine Verheggen

OFFICE: S436

DAY: Tuesday

TIME: 2:30pm - 5:30pm

PREREQUISITE: AP/PHIL 2080 3.0 or AP/PHIL 2100 3.0 or AP/PHIL 2240 3.0
PRIOR TO FALL 2009: AS/PHIL 2100 3.00 OR AK/PHIL 2100 3.00 (PRIOR TO SUMMER 2007) ARE RECOMMENDED
COURSE CREDIT EXCLUSION: GL/PHIL 3910 3.0. PRIOR TO FALL 2009: AK/AS/PHIL 3200 3.0

DESCRIPTION: This course provides an introduction to basic notions of the philosophy of language. Questions to be discussed may include: How is communication in language possible? What is a language? What makes words and phrases meaningful? What is truth?

AP/PHIL 3635 3.0M (W) – PHILOSOPHY OF NEUROSCIENCE

INSTRUCTOR: Dylan Ludwig

OFFICE: N/A

DAY: Thursday

TIME: 2:30pm - 5:30pm

PREREQUISITE: AP/PHIL 2160 3.00 or AP/PHIL 2240 3.00.

DESCRIPTION: A critical examination of philosophical problems raised by neuroscientific research, which asks whether such research can help to answer traditional philosophical questions. The course introduces the goals, methods, techniques and theoretical as well as conceptual commitments of neuroscience and examines the field's background assumptions, limitations and pitfalls.

AP/PHIL 4080 3.0M (W) – SEMINAR IN THE PHILOSOPHY OF MIND

INSTRUCTOR: Kristin Andrews

OFFICE: S420

DAY: Tuesday

TIME: 11:30am - 2:30pm

PREREQUISITE: At least nine credits in philosophy, including AP/PHIL 3260 3.00 or AP/PHIL 3265 3.00.

COURSE CREDIT EXCLUSION: None. PRIOR TO FALL 2009: AS/PHIL 4080 3.00.

DESCRIPTION: An intensive examination of one or more of the following topics: mind and body, thinking, intention, emotions, desires, motives, reasons, dispositions, memory, the unconscious and the concept of a person.

AP/PHIL 4082 3.0A (F) – PHILOSOPHY OF COGNITIVE SCIENCE

INSTRUCTOR: Verena Gottschling

OFFICE: S444

DAY: Thursday

TIME: 11:30am – 2:30pm

PREREQUISITE: At least nine credits in philosophy, including at least three credits from the following: AP/PHIL 3260 3.00 or AP/PHIL 3265 3.00.

COURSE CREDIT EXCLUSION: AP/PHIL 4082 3.00 (prior to Fall 2014).

DESCRIPTION: An examination of philosophical issues at the foundations of cognitive science, such as: mental representation, perception, concepts, rationality, memory, intelligence, modularity, evolutionary psychology, extended and embodied cognition, and consciousness.

AP/PHIL 4083 3.0 – PHILOSOPHY OF CLINICAL PSYCHOLOGY

NOT OFFERED 2019 - 2020

AP/PHIL 4084 3.0 – ANIMALS AND THE PHILOSOPHY OF MIND

NOT OFFERED 2019 - 2020

HH/PSYC 4010 3.0A (F) – SEMINAR IN DEVELOPMENTAL PSYCHOLOGY

INSTRUCTOR: Ehud Avitzur

OFFICE: TBA

DAY: Monday

TIME: 7:00pm – 10:00pm

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 EXCLUSION: HH/PSYC 4010 3.0, HH/PSYC 4140 3.0, GL/PSYC 4510 3.0.

DESCRIPTION: Some major modern theories of child development are compared and their corresponding data and methodologies are analyzed.

ACCESS SPECIFICATIONS: All spaces are held for 4th year Honours students in Psychology, Cognitive Science and Children Studies.

HH/PSYC 4010 3.0M (W) – SEMINAR IN DEVELOPMENTAL PSYCHOLOGY

INSTRUCTOR: Melody Sunshine Wiseheart

OFFICE: TBA

DAY: Wednesday

TIME: 2:30 – 5:30pm

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 EXCLUSION: HH/PSYC 4010 3.0, HH/PSYC 4140 3.0, GL/PSYC 4510 3.0.

DESCRIPTION: See description for HH/PSYC 4010 3.0A(F).

ACCESS SPECIFICATIONS: All spaces are held for 4th year Honours students in Psychology, Cognitive Science and Children Studies.

HH/PSYC 4010 6.0B (Y) – SEMINAR IN DEVELOPMENTAL PSYCHOLOGY

INSTRUCTOR: Thanujeni Pathman

OFFICE: TBA

DAY: Wednesday

TIME: 11:30am - 2:30pm

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 EXCLUSION: HH/PSYC 4010 3.0, HH/PSYC 4140 3.0, GL/PSYC 4510 3.0.

DESCRIPTION: See description for HH/PSYC 4010 3.0A(F).

ACCESS SPECIFICATIONS: All spaces are held for 4th year Honours students in Psychology, Cognitive Science and Children Studies.

HH/PSYC 4010 6.0C (Y) – SEMINAR IN DEVELOPMENTAL PSYCHOLOGY

INSTRUCTOR: Scott A Adler

OFFICE: TBA

DAY: Thursday

TIME: 11:30am – 2:30pm

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 EXCLUSION: HH/PSYC 4010 3.0, HH/PSYC 4140 3.0, GL/PSYC 4510 3.0.

DESCRIPTION: See description for HH/PSYC 4010 3.0A(F).

ACCESS SPECIFICATIONS: All spaces are held for 4th year Honours students in Psychology, Cognitive Science and Children Studies.

HH/PSYC 4020 6.0A (Y) – SEMINAR IN SOCIAL PSYCHOLOGY

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Wednesday

TIME: 11:30am - 2:30pm

PREREQUISITES: AK/AS/HH/SC/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C;

AK/AS/HH/SC/PSYC 2030 3.0 or AK/HH/PSYC 2530 3.0; one of AK/AS/HH/SC/PSYC 2021 3.0, AK/AS/HH/SC/PSYC

2020 6.0, AK/HH/PSYC 2510 3.0; AK/AS/HH/SC/PSYC 2120 3.0 or AK/HH/PSYC 3210 3.0

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 4020 6.0. PRIOR TO SUMMER 2002: AK/PSYC 4110 3.0

DESCRIPTION: In depth consideration of contemporary issues in social psychology. The focus will vary depending on the speciality area of the Instructor.

ACCESS SPECIFICATIONS: All spaces are held for 4th year Honours students in Psychology and Cognitive Science

HH/PSYC 4020 6.0B (Y) – SEMINAR IN SOCIAL PSYCHOLOGY

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Wednesday

TIME: 2:30pm - 5:30pm

PREREQUISITES: AK/AS/HH/SC/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C;

AK/AS/HH/SC/PSYC 2030 3.0 or AK/HH/PSYC 2530 3.0; one of AK/AS/HH/SC/PSYC 2021 3.0, AK/AS/HH/SC/PSYC

2020 6.0, AK/HH/PSYC 2510 3.0; AK/AS/HH/SC/PSYC 2120 3.0 or AK/HH/PSYC 3210 3.0

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 4020 6.0. PRIOR TO SUMMER 2002: AK/PSYC 4110 3.0

DESCRIPTION: See course description for HH/PSYC 4020 6.0A (Y).

ACCESS SPECIFICATIONS: All spaces are held for 4th year Honours students in Psychology and Cognitive Science.

HH/PSYC 4020 6.0C (Y) – SEMINAR IN SOCIAL PSYCHOLOGY

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Thursday

TIME: 11:30am – 2:30pm

PREREQUISITES: AK/AS/HH/SC/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C;
AK/AS/HH/SC/PSYC 2030 3.0 or AK/HH/PSYC 2530 3.0; one of AK/AS/HH/SC/PSYC 2021 3.0, AK/AS/HH/SC/PSYC
2020 6.0, AK/HH/PSYC 2510 3.0; AK/AS/HH/SC/PSYC 2120 3.0 or AK/HH/PSYC 3210 3.0

COURSE CREDIT EXCLUSION: AK/AS/HH/SC/PSYC 4020 6.0. PRIOR TO SUMMER 2002: AK/PSYC 4110 3.0.

DESCRIPTION: See course description for HH/PSYC 4020 6.0A (Y).

ACCESS SPECIFICATIONS: All spaces are held for 4th year Honours students in Psychology and Cognitive Science.

HH/PSYC 4080 6.0B (Y) – NEUROPSYCHOLOGY OF ABNORMAL BEHAVIOUR

INSTRUCTOR: Robert Walter Heinrichs

OFFICE: TBA

DAY: Wednesday

TIME: 8:30am - 11:30am

PREREQUISITES: AK/AS/HH/SC/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C;
AK/AS/HH/SC/PSYC 2030 3.0 or AK/HH/PSYC 2530 3.0; one of AK/AS/HH/SC/PSYC 2021 3.0, AK/AS/HH/SC/PSYC
2020 6.0, AK/HH/PSYC 2510 3.0; AK/AS/HH/SC/PSYC 2240 3.0 or AK/HH/PSYC 3145 3.0; AK/HH/PSYC 3140 3.0 or
AS/SC/PSYC 3140 3.0 or AK/HH/PSYC 3215 3.0

COURSE CREDIT EXCLUSION: AFTER SUMMER 2010: GL/PSYC 3530 3.00.

DESCRIPTION: An examination of the genetic, physiological and anatomical bases of several types of abnormal behaviour. The social, public policy and ethical implications of a neuropsychological view of abnormal behaviour are discussed.

ACCESS SPECIFICATIONS: All spaces are held for 4th year Honours students in Psychology, Cognitive Science and Criminology.

HH/PSYC 4080 6.0C (Y) – NEUROPSYCHOLOGY OF ABNORMAL BEHAVIOUR

INSTRUCTOR: Christine Till

OFFICE: TBA

DAY: Thursday

TIME: 8:30am - 11:30am

PREREQUISITES: AK/AS/HH/SC/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C;
AK/AS/HH/SC/PSYC 2030 3.0 or AK/HH/PSYC 2530 3.0; one of AK/AS/HH/SC/PSYC 2021 3.0, AK/AS/HH/SC/PSYC
2020 6.0, AK/HH/PSYC 2510 3.0; AK/AS/HH/SC/PSYC 2240 3.0 or AK/HH/PSYC 3145 3.0; AK/HH/PSYC 3140 3.0 or
AS/SC/PSYC 3140 3.0 or AK/HH/PSYC 3215 3.0

COURSE CREDIT EXCLUSION: AFTER SUMMER 2010: GL/PSYC 3530 3.00.

DESCRIPTION: See course description for HH/PSYC 4080 6.0B (Y).

ACCESS SPECIFICATIONS: All spaces are held for 4th year Honours students in Psychology, Cognitive Science and Criminology.

HH/PSYC 4260 3.0M (W) – SEMINAR IN SENSATION AND PERCEPTION

INSTRUCTOR: Jennifer Steeves

OFFICE: TBA

DAY: Thursday

TIME: 11:30am – 2:30pm

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 2220 3.00 or AK/HH/PSYC 3120 3.00.
COURSE CREDIT EXCLUSION: None. PRIOR TO SUMMER 2002: AS/AS/SC PSYC 4120.

DESCRIPTION: This seminar course gives advanced, detailed coverage of topics in sensation and perception. Specific topics vary according to the instructor, and could include vision (e.g., shape perception, colour perception), hearing (e.g., auditory localization, speech perception), or vestibular perception (e.g., balance, the sense of movement). The course emphasizes reading and evaluating original scientific work, and readings include journal articles or research monographs. Special attention is paid to understanding the value and limitations of common experimental methods in perception research.

ACCESS SPECIFICATION: All spaces are held for 4th year Honours students with Psychology as the major.

HH/PSYC 4270 3.0A (F) - SEMINAR IN MEMORY AND COGNITION

INSTRUCTOR: Dale Stevens

OFFICE: TBA

DAY: Thursday

TIME: 11:30am – 2:30pm

PREREQUISITES: AK/AS/HH/SC/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C; AK/AS/HH/SC/PSYC 2030 3.0 or AK/HH/PSYC 2530 3.0; one of AK/AS/HH/SC/PSYC 2021 3.0, AK/AS/HH/SC/PSYC 2020 6.0, AK/HH/PSYC 2510 3.0; one of AK/HH/PSYC 3130 3.0, AK/HH/PSYC 3135 3.0, AK/HH/PSYC 3260 3.0 (after Winter 2002), AS/SC/PSYC 3260 3.0, AK/AS/HH/SC/PSYC 3265 3.0
COURSE CREDIT EXCLUSION: None. BETWEEN FALL/WINTER 1992-1998: AK/PSYC 4130 3.0

DESCRIPTION: An examination of a number of issues in memory and cognition. The course focuses on areas of current interest and may include topics such as pattern recognition, perception of art, memory retrieval, connectionist models, problem solving, thinking, concept formation, categorization and artificial intelligence.

ACCESS SPECIFICATION: All spaces are held for 4th year Psychology Honours majors.

HH/PSYC 4270 3.0M (W) - SEMINAR IN MEMORY AND COGNITION

INSTRUCTOR: Shayna Rosenbaum

OFFICE: TBA

DAY: Tuesday

TIME: 11:30am – 2:30pm

PREREQUISITES: AK/AS/HH/SC/PSYC 1010 6.0 or AK/HH/PSYC 2410 6.0, with a minimum grade of C; AK/AS/HH/SC/PSYC 2030 3.0 or AK/HH/PSYC 2530 3.0; one of AK/AS/HH/SC/PSYC 2021 3.0, AK/AS/HH/SC/PSYC 2020 6.0, AK/HH/PSYC 2510 3.0; one of AK/HH/PSYC 3130 3.0, AK/HH/PSYC 3135 3.0, AK/HH/PSYC 3260 3.0 (after Winter 2002), AS/SC/PSYC 3260 3.0, AK/AS/HH/SC/PSYC 3265 3.0
COURSE CREDIT EXCLUSION: None. BETWEEN FALL/WINTER 1992-1998: AK/PSYC 4130 3.0

DESCRIPTION: See course description for HH/PSYC 4270 3.0 (A).

ACCESS SPECIFICATION: All spaces are held for 4th year Psychology Honours majors.

HH/PSYC 4285 3.0A (F) - SEMINAR IN COMPARATIVE COGNITION

INSTRUCTOR: TBA

OFFICE: TBA

DAY: Wednesday

TIME: 2:30pm – 5:30pm

PREREQUISITES: HH/PSYC 1010 6.00, with a minimum grade of C; HH/PSYC 2030 3.00; one of HH/PSYC 2021 3.00, HH/PSYC 2020 6.00; six credits chosen from HH/PSYC 2210 3.00, HH/PSYC 3265 3.00, HH/PSYC 3280 3.00.

COURSE CREDIT EXCLUSION: None. BETWEEN FALL/WINTER 1992-1998: AK/PSYC 4130 3.0

DESCRIPTION: This seminar course focuses on the various approaches to the study of cognitive processes in non-human animal species. The course includes the study of memory, problem-solving, concept formation, the representation of time and number and language acquisition in non-human animals.

ACCESS SPECIFICATION: All spaces are held for 4th year Psychology Honours majors.

ACADEMIC HONESTY

Philosophy is concerned with teaching students to argue well, as opposed to arguing to the conclusion that the professor agrees with, or one that is famous. Philosophy also insists that its students do their own thinking, and their own writing! While it is sometimes (but not usually) necessary to read or quote from other authors about a philosophical subject, such references or quotations must always be clearly acknowledged in any philosophy essay. The Philosophy Department is very concerned about the problem of student plagiarism. If you have any questions about how to refer to other sources you are using, you should consult your course director and/or your teaching assistant. For more information on what academic dishonesty is and what the university's policies concerning it are, consult

<http://www.yorku.ca/secretariat/policies/document.php?document=69>

The Philosophy Department would like to add a special caution regarding material found on the Internet. Students must treat material found on the Internet exactly the same as they would material found in a book or article. That material must be clearly cited (using the web site address) if it is quoted or paraphrased, just as any other reference would be. This has been a source of many problems in the past few years, and students are asked to discuss it with their professor if they feel they are unclear about it.

The Philosophy Department has adopted a policy of having a mandatory in-class test or quiz for all courses below the fourth year level. This quiz may be kept by the instructor so that it may be compared with essay work handed in later. Please note that it is impossible to pass the course without taking this quiz.

Faculty of Liberal Arts and Professional Studies (LA&PS)
Cognitive Science - Specialized Honours BA (2019/20 Program Checklist)

GENERAL EDUCATION - 21 Credits 21 credits at the 1000 level, chosen from 3 different general education categories	Credit	Complete or Incomplete	Grade	Notes
1) Humanities or Social Science :	9.00			
2) Humanities or Social Science (whichever is not taken in line 1):	6.00			
3) Natural Science:	6.00			
Total General Education Credits	21.00			
MAJOR – 51-54 Credits				
Core Program Courses: 30-33 Credits				
AP LING 1000 Introduction to Linguistics OR AP COGS/LING 2800 Language and Mind	6.00 or 3.00			
HH PSYC 1010 Introduction to Psychology	6.00			
HH PSYC 2260 Cognition	3.00			
AP COGS /PHIL 2160 Minds, Brains and Machines	3.00			
AP PHIL 2240 Introduction to the Philosophy of Mind	3.00			
AP PHIL 3260 Philosophy of Psychology	3.00			
AP COGS/PHIL 3750 Philosophy of Artificial Intelligence	3.00			
AP COGS 4750 Honours Thesis in Cognitive Science OR AP COGS 4901 Honours Seminar in Cognitive Science	6.00 or 6.00			
Choose 6 credits from the following:				
LE EECS 1022 Programming for Mobile Computing	3.00			
LE EECS 2001 Introduction to the Theory of Computation	3.00			
LE EECS 2030 Advanced Object Oriented Programming	3.00			
AP ITEC 1000 Introduction to Information Technologies	3.00			
AP ITEC 1010 Information and Organizations	3.00			
AP LING 2120 Phonology 1: Analysis	3.00			
AP LING 2130 Morphology 1: Analysis	3.00			
AP LING 2140 Syntax 1: Analysis	3.00			
AP PHIL 2100 Introduction to Logic	3.00			
HH PSYC 2020 Statistical Methods I and II OR HH PSYC 2021 Statistical Methods I	6.00 3.00			
HH PSYC 2030 Introduction to Research Methods	3.00			
Choose 9 credits from the following, including at least 2 different disciplines (departments):				
LE EECS 2011 Fundamentals of Data Structures	3.00			
LE EECS 3401 Intro. to Artificial Intelligence and Logic Programming	3.00			
AP ITEC 3230 Designing User Interfaces	3.00			
AP LING 3120 Phonology 2: Theory	3.00			
AP LING 3140 Syntax 2: Theory	3.00			
AP LING 3150 Semantics	3.00			
AP LING 3210 First Language Acquisition	3.00			
AP LING 3220 Psycholinguistics	3.00			
AP PHIL 3265 Philosophy of Mind	3.00			
HH PSYC 2110 Developmental Psychology	3.00			
HH PSYC 2120 Social Psychology	3.00			
HH PSYC 2220 Sensation and Perception I	3.00			
HH PSYC 2240 Biological Basis of Behaviour	3.00			

HH PSYC 3250 Neural Bases of Behaviour	3.00			
HH PSYC 3265 Memory	3.00			
HH PSYC 3280 Animal Behaviour	3.00			
HH PSYC 3290 Psycholinguistics	3.00			
Choose 6 credits from the following, including at least 2 different disciplines (departments):				
LE EECS 4401 Artificial Intelligence	3.00			
LE EECS 4421 Introduction to Robotics	3.00			
LE EECS 4422 Computer Vision	3.00			
LE EECS 4441 Human-Computer Interaction	3.00			
AP LING 4120 Advanced Phonology	3.00			
AP LING 4140 Advanced Syntax	3.00			
AP LING 4150 Topics in the Syntax-Semantics Interface	3.00			
AP LING 4230 Language and the Brain				
AP LING 4250 Evolution of Language	3.00			
AP PHIL 3200 Philosophy of Language	3.00			
AP PHIL 3635 Philosophy of Neuroscience	3.00			
AP PHIL 4080 Seminar in the Philosophy of Mind	3.00			
AP PHIL 4082 Philosophy of Cognitive Science	3.00			
AP PHIL 4083 Philosophy of Clinical Psychology	3.00			
AP PHIL 4084 Animals & the Philosophy of Mind	3.00			
HH PSYC 4010 Seminar in Developmental Psychology	3.00/6.00			
HH PSYC 4020 Seminar in Social Psychology	3.00/6.00			
HH PSYC 4080 Neuropsychology of Abnormal Behavior	6.00			
HH PSYC 4230 Human Performance in Systems	3.00			
HH PSYC 4260 Seminar in Sensation and Perception	3.00			
HH PSYC 4270 Seminar in Memory and Cognition	3.00			
HH PSYC 4285 Seminar in Comparative Cognition	3.00			
Total Major Credits	51-54			
Credits Outside the Major – at least 18 Credits				
Course Outside Major:	6.00			
Course Outside Major:	6.00			
Course Outside Major:	6.00			
Total Credits Outside the Major	18.00			
Free Choice: 30-33 Credit (could be anything, including extra cognitive science courses)				
Any Course:	6.00			
Any Course:	6.00			
Any Course:	6.00			
Any Course:	6.00			
Any Course:	3.00			
Any Course: Will depend of major credits	3.00			
Total Free Choice Credits	27-30			
TOTAL DEGREE CREDITS	120.00			

In addition to the above course requirements, please note further requirements on next page.

Requirement Checklist and Notes (To ensure graduation, each box must be checked 'completed')

- Residency Requirement: a minimum of 30 course credits and at least half (50 per cent) of the course credits required in each undergraduate degree program major/minor must be taken at York University
- Upper-level Requirement: at least 36 credits at 3000-4000 level. 18 credits must be at 4000 level

Upper Level Checklist	
3000-LEVEL	4000-LEVEL (must be at least 18 credits)
PHIL 3260 3.00	COGS 4750 or 4901 6.00
COGS/PHIL 3750 3.00	
Total = 36 credits (at least)	

NOTE: For the GENERAL EDUCATION category, a minimum of 6.0 credits must be chosen from each of Humanities, Natural Science and Social Science. General Education courses are offered at the 1000 level. A maximum of 9 credits in Humanities and Social Science will count towards fulfillment of the General Education 21 credit requirements. For approved LA&PS General education courses go to http://www.yorku.ca/laps/courses/gen_education.html

IMPORTANT INFORMATION AND RESOURCES

For an online version of your degree requirements, use the **Degree Progress Report** found here: www.registrar.yorku.ca/mydegreeprogress

PLEASE NOTE: This manual Degree Checklist is **only a guide** designed to assist students with degree requirements and course selection. It is not intended as the official confirmation of a student's eligibility to graduate as requirements may change from year to year. Satisfaction of all degree requirements will be officially determined by the Registrar's Office upon application to graduate. Students are advised to make sure they are following the correct degree requirements by checking the Undergraduate Calendar of the year in which they entered their program.

Academic Calendars: calendars.registrar.yorku.ca

Academic Advising: LAPS Student Academic Advising Services, 103 Central Square 416-736-5222, laps@yorku.ca
[LAPS Student Academic Advising Services](#)

Department Contact Information: Department of Philosophy, South Ross, 448
 (416) 736-5113, lapsphil@yorku.ca

Registration & Fees: Student Client Services, Bennett Centre for Student Services (416) 872-YORK (9675)
www.yorku.ca/scsweb

Other resources: yustart.info.yorku.ca/all-resources-a-z