

trentu.ca/psychology

Chair of the Department

To be named

Professors

T. DeCicco, BSc (Manitoba), MSc (Trent), PhD (York)

T. P. Humphreys, MA (Laurier), PhD (Guelph)

J. D. A. Parker, BA (Simon Fraser), MA, PhD (York)

E. Scharfe, BA (Western), MA, PhD (Simon Fraser)

L. J. Summerfeldt, MA, PhD (York)

Associate Professors

B. Bauer, MA, PhD (Waterloo)

L. Brown, BSc, MSc (Waterloo), MS, PhD (Penn State)

M. Chan-Reynolds, BSc (Trent), MA, PhD (Waterloo) (on leave 2019–2020)

N. Im-Bolter, MA, PhD (York)

H. Lehmann, BA (Concordia), MSc (Alberta), PhD (Concordia)

M. Liu, MEd (Shanghai Normal), MA, PhD (Western)

G. Navara, BA (Waterloo), MA (Wilfrid Laurier), PhD (Guelph)

E. Nisbet, BA, MA, PhD (Carleton)

K. Peters, MA, PhD (British Columbia)

B. Smith-Chant, BA (Trent), MA, PhD (Carleton)

Assistant Professors

N. Fournier, BSc (Laurentian), MSc (Dalhousie), PhD (Saskatchewan)

E. Russell, BA, MSc, PhD (Memorial)

Senior Lecturers

J. Adams, BA (Concordia), MA (Guelph), PhD (York)

K. Keefer, BSc, MSc (Trent), PhD (Queen's)

F. O'Hagan, BSc (Saskatchewan), MSc, PhD (McMaster)

Psychology is defined as the scientific study of behaviour and the mind. As such, psychological research provides insight into questions on topics such as newborn infants' preference for their mother's voice, the link between personality and academic achievement or physical health, how sleep influences learning and memory, the identification of individuals who are at risk for Alzheimer's disease or cancer, sexual negotiation and behaviour in young adults, or even how you understand these words you are reading right now. Psychology is a scientific discipline with a multitude of practical applications: it deals with every aspect of our lives, and in its application of scientific methods to questions of human concern, it helps us to better understand how and why people act, think, and feel the way they do. The Psychology program at Trent ensures that students acquire research skills and a broad-based background in the basic content of the discipline, and that they have the opportunity at upper levels to focus on more specialized topics and to become involved in original research.

Notes

- 60% or higher in PSYC 1020H and 1030H is a prerequisite for all upper-level Psychology courses.
- A 4U Mathematics course is strongly recommended for students who plan to major in Psychology.
- All courses in Psychology fulfill University science course requirements for the BSc.
- Any course involving work with live vertebrate animals requires the Animal Care Course, which is described on [p. 19](#) of the Calendar. The Animal Care Course requirement is indicated in some course descriptions but may also apply to others. Check with the course instructor if in doubt.
- For non-majors taking courses where PSYC 2018H or 2019H is a prerequisite, a statistics course in another discipline may be substituted, but only if the permission of the department has been granted.
- A maximum 2.0 credits consisting of either reading courses (PSYC 3900Y, 3901H, 3902H, 4900Y, 4901H, and 4902H) and/or research practicum courses (PSYC 3801H, 3802H, 4801H, and 4802H) may be counted toward the course requirements for a major or joint-major degree in Psychology.
- Offerings of 4000-level courses change from year to year. A listing of the 4000-level courses for 2019–2020 is published in the Psychology Student Handbook, available in spring 2019 (department office and website, trentu.ca/psychology).
- The Psychology Honours thesis is a major research project counting as 2.0 credits in PSYC or combining 1.0 credit in PSYC and 1.0 in the other discipline in a joint-major. Both options are open to joint-majors.

Bachelor of Arts and Bachelor of Science Programs in Psychology

- In addition to the program requirements listed below, students must satisfy the University degree requirements (see [p. 14](#)).
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- There are two Honours degrees in Psychology, the course option and thesis option. For the requirements, see below.
- The department offers both a BA and a BSc degree. The BSc differs from the BA only in the requirement for a minimum number of science credits (see below).
- All students intending to enter the single-major or joint-major program in Psychology should consult the Psychology department advisor (psychology@trentu.ca).
- Students completing the single-major or joint-major BSc in Psychology require PSYC 2018H and 2019H plus 10.0 additional science credits of which at least 1.5 science credits are in addition to Psychology courses and courses cross-listed with Psychology for the General degree or 13.0 additional science credits of which at least 2.0 science credits are in addition to Psychology courses and courses cross-listed with Psychology for the Honours degree. PSYC 2018H and 2019H fulfill the requirement for 1.0 credit in Mathematics for the single-major BSc in Psychology.
- Most courses at the 2000 and 3000 level in the department are assigned to one of two categories (Natural Science or Social Science). Students in the single-major or joint-major program in Psychology must include in their program a range of courses chosen from each category, as indicated in the requirements for the various degree options.

A2 Natural Science	A3 Natural Science	B2 Social Science	B3 Social Science
2200H	3210H	2300H	3300H
2210H	3220H	2310H	3500H
2400H	3230H	2500H*	3510H
2450H*	3240H	2550H	3530H
2600H	3420H	2700H	3550H
	3430H		3560H
	3440H		3580H*
	3451H		3590H
	3460H		3710H
	3610H		3730H
	3450H*		3740H
			3750H
			3760H
			3770H
			3780H

*no longer offered

The single-major Honours program. (Course or Thesis Options available.) 20.0 credits including the following 10.0 credits:

- 3.0 PSYC credits consisting of PSYC 1020H, 1030H, 2018H, 2019H, and 3015Y
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2
- 1.0 PSYC credit from A3
- 1.0 PSYC credit from B3
- 1.0 PSYC credit at the 4000 level in addition to the above
- 3.0 PSYC credits; select from Course Option or Thesis Option:
 - For Course Option: 3.0 PSYC credits in addition to the above, at least 2.0 at the 3000 level or beyond, *or*
 - For Thesis Option: 3.0 PSYC credits in addition to the above, including PSYC 4020D (double-credit thesis) and 1.0 PSYC credit at the 3000 level or beyond
- For the BSc, 14.0 science credits are required for the Honours degree of which at least 2.0 science credits (Sc designated courses) are in addition to Psychology courses and courses cross-listed with Psychology

The joint-major Honours program. (Course or Thesis Options available.) 20.0 credits including the following 8.0 or 9.0 credits:

- 3.0 PSYC credits consisting of PSYC 1020H, 1030H, 2018H, 2019H, and 3015Y
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2
- 1.0 PSYC credit from A3
- 1.0 PSYC credit from B3
- 1.0 PSYC credit at the 4000 level in addition to the above
- 1.0 or 2.0 PSYC credits; select from Course Option or Thesis Option:
 - For Course Option: 1.0 PSYC credit in addition to the above, at the 3000 level or beyond, or
 - For Thesis Option: 1.0 PSYC credit consisting of PSYC 4010Y (single-credit thesis) *only* when combined with 1.0 credit in the other joint-major discipline; or 2.0 PSYC credits consisting of PSYC 4020D (double-credit thesis in Psychology)
- For the BSc, 14.0 science credits are required for the Honours degree of which at least 2.0 science credits (Sc designated courses) are in addition to Psychology courses and courses cross-listed with Psychology

The single-major General program. 15.0 credits including the following 6.0 credits:

- 2.0 PSYC credits consisting of PSYC 1020H, 1030H, 2018H, and 2019H
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2
- 0.5 PSYC credit from A3
- 0.5 PSYC credit from B3
- 1.0 PSYC credit at the 3000 level or beyond in addition to the above
- 1.0 PSYC credit in addition to the above
- For the BSc, 11.0 science credits are required for the General degree of which at least 1.5 science credits (Sc designated courses) are in addition to Psychology courses and courses cross-listed with Psychology

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 2.0 PSYC credits consisting of PSYC 1020H, 1030H, 2018H, and 2019H
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2
- 0.5 PSYC credit from A3
- 0.5 PSYC credit from B3
- 0.5 PSYC credit at the 3000 level or beyond in addition to the above
- 0.5 PSYC credit in addition to the above
- For the BSc, 11.0 science credits are required for the Honours degree of which at least 1.5 science credits (Sc designated courses) are in addition to Psychology courses and courses cross-listed with Psychology

The minor in Psychology consists of the following 5.0 credits:

- 2.0 PSYC credits consisting of PSYC 1020H, 1030H, 2018H, and 2019H
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2
- 0.5 PSYC credit from A3
- 0.5 PSYC credit from B3
- 0.5 PSYC credit at the 3000 level or beyond in addition to the above
- 0.5 PSYC credit in addition to the above

Specialization in Psychological Development

The Specialization in Psychological Development is open to students in the single- and joint-major Honours degree programs and is intended for students interested in pursuing a career in developmental psychology and associated fields (e.g., graduate work with a specialization in developmental psychology, health care, social work, recreation or developmental services, child protection). This specialization provides students with course options designed for an in-depth examination of theoretical, empirical, methodological, and practical approaches to development-related topics.

Students who have fulfilled the requirements for an Honours degree in Psychology may graduate with a Specialization in Psychological Development if they have successfully completed the following 4.5 credits:

- 0.5 PSYC credit consisting of PSYC 2550H
- 1.0 PSYC credit from PSYC 3500H (or 2500H), 3510H, or 3550H*
- 3.0 PSYC credits from PSYC 3530H, 3550H*, 3560H, 4530H, 4531H, 4560H, 4570H, 4580H, 4590H, reading courses (PSYC 3900Y, 3901H, 3902H, 4900Y, 4901H, 4902H), practicum courses (PSYC 3801H, 3802H, 4801H, 4802H), or thesis (PSYC 4010Y/4020D) primarily focused on development

*may only count toward one list

Please consult the academic timetable for information on courses that will be offered in 2019–2020, including when they will be scheduled.

» **PSYC 1020H: Introduction to Psychology Part 1: Experimental and Biological Bases of Behaviour (Sc)**

A survey of some of the major areas of psychology, including its historical development and scientific methodology. Includes material on statistics, the biological bases of behaviour, sensory and perceptual processes, as well as a consideration of cognition and memory processes. (For information about web-based versions of this course contact the department.) Excludes PSYC 1010Y.

» **PSYC 1030H: Introduction to Psychology Part 2: Social and Personality Perspectives (Sc)**

A survey of some of the major areas of psychology. Includes material on statistics, child and adult development, motivation and emotion, intelligence, personality, health psychology, psychological disorders and their treatment, as well as consideration of some aspects of social psychology. (For information about web-based versions of this course contact the department.) Excludes PSYC 1010Y.

» **PSYC 2018H: Critical Thinking and Research Methods in Psychology (Sc)**

Provides an introduction to critical thinking and research methods in psychology. Topics include epistemology; theory and hypothesis development; variables; operational definitions; ethics, reliability, and validity; experimental, quasi-experimental, and correlational methods. Students also learn how to read and understand the structure of empirical research articles. Prerequisite: 60% or higher in PSYC 1020H and 1030H. Excludes PSYC 2016H.

» **PSYC 2019H: Basic Research Methods and Statistics in Psychology (Sc)**

Provides an introduction to the research and statistical methods that are commonly used in psychology and other sciences. Topics include descriptive statistics, probability, sampling distributions, hypothesis testing, confidence intervals, effect size, t-tests, one-way analysis of variance, correlation, and the chi-square test. Prerequisite: 60% or higher in PSYC 1020H and 1030H. Excludes PSYC 2017H.

» **PSYC 2200H: Brain and Behaviour (Sc)**

Basic neuroanatomy of the mammal with emphasis on the human nervous system. Examination of sensory and motor systems as well as the physiological mechanisms of behaviour, behaviour disorders, and memory. Prerequisite: 60% or higher in PSYC 1020H and 1030H.

» **PSYC 2210H: Brain and Body in Action (Sc)**

The functional anatomy of the central and peripheral nervous systems and the neuromuscular junction. The role of sensory and motor systems in the control of eye and hand movements and balance and gait control will be studied. Applications to product design, skill learning, and rehabilitation are included. Prerequisite: 60% or higher in PSYC 1020H and 1030H.

» **PSYC-PHIL 2270H: Philosophy of Mind (see Philosophy) (Sc)**

» **PSYC 2300H: Introductory Abnormal Psychology (Sc)**

Designed to provide students with a background in theoretical, empirical, and conceptual issues central to the field of abnormal psychology, and to introduce contemporary diagnostic frameworks. Specific attention is paid to the role of prevailing theoretical perspectives in the understanding, investigation, and treatment of psychopathology. Prerequisite: 60% or higher in PSYC 1020H and 1030H.

» **PSYC 2310H: Introduction to Personality Theory (Sc)**

A cross-section of personality theories and theorists are examined: psychoanalytic, neopsychoanalytic, trait, phenomenological, behavioural, and social-learning. Prerequisite: 60% or higher in PSYC 1020H and 1030H.

- » **PSYC 2400H: Introduction to Cognitive Psychology (Sc)**
Focuses on humans as processors of information. Topics include perception, attention, memory, knowledge, consciousness, and reasoning. Prerequisite: 60% or higher in PSYC 1020H and 1030H.
- » **PSYC 2550H: Theories of Human Development (Sc)**
Provides students with both theoretical and empirical bases of current lifespan human development research. Students examine several lifespan developmental theories, including identity, psychosocial, cognitive, and socio-cultural development, as well as attachment. The course emphasizes original theoretical works and current psychological research rooted within those theories. Prerequisite: 60% or higher in PSYC 1020H and 1030H.
- » **PSYC 2600H: Introduction to Learning (Sc)**
An examination of the fundamental concepts of learning in humans and animals. Emphasis is placed on empirical methods of investigation. Applications to choice behaviour, self-control, and education are included. Prerequisite: 60% or higher in PSYC 1020H and 1030H.
- » **PSYC-HIST 2621H: History of Psychiatry and Clinical Psychology (Sc) (see History)**
- » **PSYC 2700H: Introduction to Social Psychology (Sc)**
An examination of the foundations of social psychology, including attribution processes, social cognition, attitudes, prejudice, attraction, aggression, helping behaviours, groups, and conflict. Prerequisite: 60% or higher in PSYC 1020H and 1030H.
- » **PSYC 3015Y: Advanced Statistics and Research Design (Sc)**
An intensive study of the application of statistical techniques to a variety of research questions and experimental designs. Focus is on the laws of probability, techniques of analysis of variance and covariance, correlation, regression, and multivariate procedures. Prerequisite: 8.0 university credits including 60% or higher in PSYC 2018H and 2019H.
- » **PSYC-PHIL 3020H: Philosophy of Emotion (Sc) (see Philosophy)**
- » **PSYC 3110H: Basic Psychometrics (Sc)**
A basic introduction to the principles of educational and psychological test construction and development that would be very beneficial to students pursuing careers in the school system. Topics include classical test theory, correlational methodology, item analysis, reliability, validity, and norms. Prerequisite: 8.0 university credits including 60% or higher in PSYC 2018H and 2019H.
- » **PSYC-BIOL 3210H: Principles of the Nervous System (Sc) (see Biology)**
- » **PSYC-BIOL 3220H: Neuropsychology (Sc)**
An examination of the relationship between brain function and psychological processes, drawing heavily from contemporary research involving humans and animals and describing the neural bases for such psychological processes as learning, memory, language, and emotion. Special attention is given to behavioural abnormalities resulting from brain pathology. Prerequisite: 8.0 university credits including PSYC 2200H or PSYC-BIOL 3210H.
- » **PSYC 3230H: Sleep and Arousal (Sc)**
A description of the states of sleep using electrophysiological, physiological, and behavioural terms; exploration of the nature of normal sleep in various species; examination of the nature of sleep disorders; consideration of the various theories of the functions of sleep. Prerequisite: 8.0 university credits including 0.5 credit from A2 category.
- » **PSYC 3240H: Drugs and Behaviour (Sc)**
A comprehensive review of psychoactive drugs and how they affect brain and behaviour. The course emphasizes the mechanisms by which drug use modifies brain function and behaviour. Drugs used to treat psychiatric disorders and drugs of abuse will be discussed, including a consideration of their social, financial, and familial impacts. Prerequisite: 8.0 university credits including PSYC 2200H or PSYC 2210H or PSYC-BIOL 3210H or NURS 3550H.

» **PSYC 3300H: Advanced Abnormal Psychology (Sc)**

Designed to explore in depth a cross-section of basic topics in abnormal psychology with emphasis upon specific diagnostic categories. Topics include anxiety, somatoform, mood, psychotic, and substance-related disorders. Clinical features, theoretical models of their development, maintenance and treatment, and associated paradigms and findings are addressed. Prerequisite: 8.0 university credits including PSYC 2300H.

» **PSYC-BIOL 3360H: Behavioural Ecology (Sc) (see Biology)**

» **PSYC 3420H: Motivation and Emotion (Sc)**

A survey of theory and research on motivation and emotion. Topics include the definition, measurement, evolution, development, control, physiology, and neurology of motivation and emotions, as well as the connections between emotions, cognitions, and consciousness. Prerequisite: 8.0 university credits including PSYC 2400H.

» **PSYC 3430H: Memory (Sc)**

Examines the processes and strategies underlying memory phenomena in humans, including their application to real-world events. Topics considered include imagery; working memory; memory as a constructive process; emotion and memory; implicit/explicit memory; memory disorders; and abilities and memory. Prerequisite: 8.0 university credits including PSYC 2018H, 2019H, and 2400H.

» **PSYC 3440H: Aging and Cognition (Sc)**

A detailed examination of the changes in cognitive functioning that accompany the aging process. While consideration is given to the alterations in nervous and sensory systems that help explain decrements, attention is also focused on the experiential factors that lead to maintenance and improvements in many cognitive skills. Prerequisite: 8.0 university credits including PSYC 2018H, 2019H, and 2400H.

» **PSYC 3451H: Psychology of Language (Sc)**

A research-oriented approach to psycholinguistic theory and the psychology of language. Topics include syntactic theory, the representation of meaning in language, the relation between cognition and language, language acquisition in children, individual differences in language use, bilingualism, and language disorders. Prerequisite: 8.0 university credits including PSYC 2018H, 2019H, and 2400H. Excludes PSYC 2450H.

» **PSYC 3460H: Sensation and Perception (Sc)**

An intensive examination of how humans (and other species) perceive information presented to the senses. Topics include mechanisms of perception, detection, discrimination, and pattern recognition. Psychophysical measurement, colour and spatial vision, hearing, taste, smell, and touch may be covered. Anatomical and physiological structures that support the senses are discussed. Prerequisite: 8.0 university credits including PSYC 2018H, 2019H, and 0.5 credit from A2 category.

» **PSYC 3500H: Child Development (Sc)**

Provides students with an intensive examination of theory and empirical research in the field of child psychology. Topics covered include theories of development, advanced research methods, biological foundations, developmental changes in basic and complex psychological processes, cognitive and intellectual development, social and emotional development, and family and peer influences on children's behavior. Prerequisite: 8.0 university credits including PSYC 2550H; or 4.0 NURS credits; or 1.5 CHYS credits and 60% or higher in PSYC 1020H and 1030H. Excludes PSYC 2500H.

» **PSYC 3510H: Development of Adolescents and Young Adults (Sc)**

Designed to examine developmental theory and research in the area of development of adolescents and young adults. Topics include different theoretical views of physical, cognitive, moral, and identity development and developmental issues in the contexts of family, peers, school, and work. Prerequisite: 8.0 university credits including PSYC 2550H or 2500H.

» **PSYC 3530H: Atypical Development (Sc)**

Examines theory and research in the area of atypical child development using a developmental psychopathology framework. Topics include anxiety disorder, learning disorders, and autism spectrum disorder (among others). Practical and clinical implications of research are emphasized as well as the importance of understanding typical child development. Prerequisite: 8.0 university credits including PSYC 2550H or 2500H. Excludes PSYC 3580H.

» **PSYC 3550H: Adult Development and Aging: Psychosocial Perspectives (Sc)**

Examines theory and research of aging within the framework of the life span perspective. Topics to be covered include theories of aging, lifestyle factors, personality, stress and coping, social resources, mental attitudes (optimism and personal meaning), death attitudes, and Alzheimer's disease. Prerequisite: 8.0 university credits including PSYC 2550H or 2500H.

» **PSYC 3560H: Family Development (Sc)**

Exposes the student to current life-span developmental theory and research methodology in the area of family relationships. Topics include family-systems theory, attachment theory, Erikson's psychosocial theory, developmental interaction in the child-rearing years, family life transitions, challenging issues of contemporary parenting. Prerequisite: 8.0 university credits including PSYC 2550H or 2500H; or 60% or higher in PSYC 1020H and 1030H and 4.0 NURS credits.

» **PSYC 3590H: Psychology of Education (Sc)**

An examination of the history, research methodology, theories of learning, structure of intellect, and assessment procedures within the field of educational psychology. Focuses on the current, and sometimes controversial, issues which are at the forefront of research on and discussions of the relationship between psychological principles and educational practice. Prerequisite: 8.0 university credits including 1.0 PSYC 2000-level credit other than PSYC 2018H or 2019H.

» **PSYC 3610H: Behaviour Modification (Sc)**

The application of principles of learning and motivation to practical situations including teaching, child rearing, public institutions, and everyday life settings. The two areas of concentration are: a) basic principles of learning and b) their application. Prerequisite: 8.0 university credits including PSYC 2600H.

» **PSYC-ERSC 3710H: Environmental Health (Sc) (see Environmental & Resource Science/ Studies)**

» **PSYC 3730H: Intimate Relationships (Sc)**

An examination of the development, maintenance, and breakdown of friendship and intimate relationships with emphasis upon individual differences in both quality and quantity of these relationships. Prerequisite: 8.0 university credits including PSYC 2550H or 2700H.

» **PSYC-WMST 3740H: Psychology of Gender (Sc)**

An examination of models of gender role orientation and the relationship of gender roles to social cognition and social behaviours with particular emphasis upon physical and mental well-being. Prerequisite: 8.0 university credits including PSYC 2700H.

» **PSYC 3750H: Health Psychology (Sc)**

Examines current views on the interface between psychosocial processes and physical health, focusing on theory-based psychological research and the practice of health psychology. Topics include models of health and illness, research methods employed, the impact of chronic illness on psychological well-being, and lifestyle and risk factors in various medical disorders. Prerequisite: 8.0 university credits including PSYC 2018H and 2019H and 1.0 additional 2000-level PSYC credit; or 60% or higher in PSYC 1020H and 1030H, NURS 2031H (or 2030H), 4.0 additional NURS credits, and co-registration in NURS 3031H (or 3030H).

» **PSYC 3760H: Human Sexuality (Sc)**

Examines biological and social psychological components of human sexual development and behaviour from a life-span perspective in the North American context. Attention is given to formal and informal sexual socialization and to laws regulating sexual behaviour, with an emphasis on psychological research and theory and differing value perspectives. Prerequisite: 8.0 university credits including PSYC 2550H or 2700H.

» **PSYC 3770H: Environmental Psychology (Sc)**

An overview of theory, research, and methods in environmental psychology, examining the interrelationship between humans and the physical environment (both natural and constructed). Topics include environmental cognition and behaviour, dysfunctional and restorative environments, urban stress, environmental risk perception, psychological impact of ecological crises, values and attitudes toward nature, and conservation psychology. Prerequisite: 8.0 university credits including PSYC 2018H, 2019H, and one of PSYC 2310H or 2700H.

» **PSYC 3780H: Dreams and Dreaming (Sc)**

An examination of the history of the meaning and use of dreams in various cultures; modern approaches to the study of dream material; relation of dreams to age, gender, social, and cultural groups using content analysis; correlation of dream content to mental and physical health; lucid dreaming. Prerequisite: 8.0 university credits including one of PSYC 2200H or 2310H.

» **PSYC-WMST 3796H: Feminist Psychologies (Sc) (see Gender & Women's Studies)**

» **PSYC 3801H: Research Practicum 1 (Sc)**

Designed to allow students in the third year of the Psychology Honours program to pursue research activities under the direction of a department faculty member, normally within that person's ongoing research program. Prerequisite: 8.0 university credits including 75% or higher in PSYC 2018H and 2019H; successful completion of 3.0 PSYC credits; Honours standing; specific course prerequisites depending on the faculty supervisor; and permission of the department. Consult the student handbook for a list of participating faculty members.

» **PSYC 3802H: Research Practicum 2 (Sc)**

Designed to allow students in the third year of the Psychology Honours program to pursue research activities under the direction of a department faculty member, normally within that person's ongoing research program. Prerequisite: 8.0 university credits including 75% or higher in PSYC 2018H and 2019H; successful completion of 3.0 PSYC credits; Honours standing; specific course prerequisites depending on the faculty supervisor; and permission of the department. Consult the student handbook for a list of participating faculty members.

» **PSYC 3900Y, 3901H, 3902H: Reading Course (Sc)**

Designed to allow advanced students in Psychology to pursue independent study under the direction of departmental faculty. Prerequisite: Honours standing; 8.0 university credits including PSYC 2018H and 2019H; specific course prerequisites depending on the supervisor; and permission of the department.

» **PSYC 4010Y, 4020D: Honours Thesis (Sc)**

Students design and execute a major piece of psychological research under the supervision of departmental faculty and participate in periodic workshops and departmental colloquia. PSYC 4020D is a double credit for Psychology majors; PSYC 4010Y is a single credit involving submission of the same thesis to the other department/program of a joint-major. The thesis should be taken in the final year of the student's degree. Prerequisite: PSYC 3015Y with a grade of 75% or higher; at least 0.5 credit from each of A2, B2, A3, and B3 categories; an average of 75% or higher in all PSYC courses completed; and permission of the department.

» **PSYC-SOCI 4120H: Qualitative Research and Analysis (Sc)**

An introduction to contemporary debates and practical strategies of qualitative research focusing on arguments current in critical and feminist theory which underpin Grounded Theory, Interpretive Phenomenology, and various discourse analytical approaches. Students also gain skills in the use of in-depth interviews, focus groups, narrative analysis, discourse analysis, action, and participatory research. Prerequisite: 60% or higher in PSYC 2018H and 2019H; or 8.0 university credits including SOCI 3160H or equivalent.

» **PSYC 4130H: Critical Psychology (Sc)**

Examines embedded theoretical and methodological assumptions of mainstream psychology. Drawing upon traditional and contemporary perspectives, we examine the generation of psychology's knowledge products and how they support political and ideological goals. Topics for discussion may include the misapplication of quantitative models and methods, alternatives, and subjects more consistent with a progressive world view such as critical theory, ethics, and social justice. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 2700H; PSYC 3015Y; and at least 1.0 additional 3000-level PSYC course credit.

» **PSYC 4170H: History of Psychology (Sc)**

Designed to provide an overview of the historical and philosophical foundations of modern psychology, defined broadly as humanity's attempts to understand itself. Explores the development of the discipline from prehistory through the twenty-first century within a broader intellectual and cultural context. Prerequisite: 10.0 university credits including a minimum of 4.0 PSYC credits.

» **PSYC 4225H: Advanced Cognitive Neuroscience (Sc)**

Examines links between perception, cognition, and the central nervous system in detail. Topics are approached from a systems-neuroscience perspective. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; PSYC-BIOL 3220H or PSYC 3460H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4310H: Psychopathology (Sc)**

Students explore contemporary psychological models of the development and perpetuation of specific categories of psychopathology through the examination of current research derived from them. Exploration is made of the implications of these models for research approaches and methodology, and for such clinical issues as treatment. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; PSYC 3300H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC-FRSC 4320H: Forensic Psychology (Sc) (see Forensic Science)**

» **PSYC 4530H: Cross-Cultural Human Development (Sc)**

Critical thinking and contemporary applications. Topics include theoretical reviews of cross-cultural psychology, methodology, impact of culture on areas of human development, and multicultural approach in schools. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; one of PSYC 2500H, 2550H, 3510H, 3590H, or 3730H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4531H: Cross-Cultural Psychology and Family Development (Sc)**

The effect of cross-cultural is developing as an important area of research. We begin with a review of cross-cultural and cultural psychological theoretical frameworks. Then we consider various bodies of research that explore issues of acculturation emphasizing the family as a whole and various components of the family. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; PSYC 3560H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4560H: Relationships and Health (Sc)**

Explores lifespan developmental theory and research methodology in the area of personal relationships, emphasizing the influence of attachment relationships on health and wellness. Topics include influence of family and peer attachment relationships on physiology and physiological development, health promotion and health risk behaviours, and risk of disease and disease progression. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; one of PSYC 3560H, 3730H, or 3750H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4570H: Language and Language Impairment (Sc)**

Designed to examine theory and research in the area of language and language disorder (or impairment). Topics include the importance of language for behavioural, cognitive, social, and social/emotional functioning; relationships between language and other domains of development; impact of language impairment on other domains of functioning; assessment of language. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; one of PSYC 2400H, 2450H, 2500H, 2550H, 3450H, 3451H, 3530H, or 3580H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4580H: Developmental Psychopathology and the School System (Sc)**

Examines the theoretical foundations and practical implications of developmental disorders and conditions in children and adolescents in elementary and secondary school settings. Topics covered may include: cognitive, communication, and learning problems; disruptive behaviour; anxiety; eating disorders; sexual and gender problems; mood disorders; abuse; and personality disorders. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; one of PSYC 3530H, 3580H, or 3590H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4590H: Cognition and Instruction (Sc)**

A critical examination of the cognitive basis of various instructional methods and techniques. Includes both an overview of major theories of learning and in-depth analyses of special instructional applications. Students apply their knowledge of learning, development, and cognition to acquire a critical understanding of issues in instruction. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; one of PSYC 2400H, 2600H, or 3590H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4625H: Neurobiology of Learning and Memory (Sc)**

Deals with questions and views concerning the neural basis of acquisition, consolidation, storage, and retrieval of memories. Levels of analysis range from a molecular/cellular perspective to a functional anatomy perspective. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; one of PSYC 2200H, PSYC 2600H, or PSYC-BIOL 3210H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4720H: Psychology of Evil (Sc)**

Explores the “darker side” of human behaviour and the underlying psychology of these behaviours. Why do we as human beings intentionally harm or diminish others or our environment? Beginning with a discussion of what evil is from a psychological perspective, individual, social, and corporate/institutional evil are considered. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 2700Y; PSYC 3015Y; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4740H: Models of Self Control (Sc)**

Theoretical models describing goal attainment and healthy adjustment to everyday life challenges are discussed. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4760H: Social Dimensions of Sexuality (Sc)**

A social psychological examination of sexuality. Social psychology and human sexuality are shaped by broader social contexts. Historical, cultural, interpersonal, and intrapersonal understandings shape our current knowledge about sex and sexuality. The focus is on the integration of social psychology and research with social aspects of human sexuality. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; one of PSYC 3730H or 3760H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC 4780H: Advanced Dreams and Dreaming (Sc)**

Covers the theory and literature on various areas of personality, health, and dreams. Students explore the current research and methodologies. Practical applications are also discussed in terms of therapy and clinical practice. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; PSYC 3780H; and at least 1.0 additional 3000-level PSYC credit.

» **PSYC-WMST 4796H: Feminist Psychologies (Sc) (see Gender & Women's Studies)**

» **PSYC 4801H: Research Practicum 1 (Sc)**

Designed to allow students in the fourth year of their Psychology Honours program to pursue research activities under the direction of a department faculty member, normally within that person's ongoing research program. Prerequisite: Minimum 65% average in completed PSYC courses; 75% or higher in PSYC 3015Y; at least 1.0 additional PSYC credit at the 3000 or 4000 level; specific course prerequisites depending on the faculty supervisor; and permission of the department. Consult the student handbook for a list of participating faculty members.

» **PSYC 4802H: Research Practicum 2 (Sc)**

Designed to allow students in the fourth year of their Psychology Honours program to pursue research activities under the direction of a department faculty member, normally within that person's ongoing research program. Prerequisite: Minimum 65% average in completed PSYC courses; 75% or higher in PSYC 3015Y; at least 1.0 additional PSYC credit at the 3000 or 4000 level; specific course prerequisites depending on the faculty supervisor; and permission of the department. Consult the student handbook for a list of participating faculty members.

» **PSYC-BIOL 4840H: Neuroendocrinology (Sc) (see Biology)**

» **PSYC 4850H: Applied Psychological Research Placement in Aging (Sc)**

Covers theories and current topics in research on issues central to aging and the chronic conditions of aging (including dementia). Students apply and integrate their learning through assignments and the Living Lab held off campus at the Ontario Shores Centre for Mental Health Sciences. Prerequisite: 12.0 university credits; 75% or higher in PSYC 2018H and 2019H; and one of PSYC 2550H or 2500H. Offered only at Trent University Durham – GTA.

» **PSYC 4900Y, 4901H, 4902H: Reading Course (Sc)**

Designed to allow students in the fourth year of their Psychology program to pursue independent study under the direction of departmental faculty. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y; at least 1.0 other 3000 or 4000 level PSYC credit; specific course prerequisites depending on the supervisor; and permission of the department.