

# PSYCHOLOGY (PSYC)

## **PSYC\*1000 Introduction to Psychology Summer, Fall, and Winter (LEC: 3) [0.50]**

This is an introduction to the content and methods of psychology. It will cover the major areas such as neuroscience, sensation and perception, learning, cognition, motivation, human development, personality, psychopathology and its treatment, and social psychology.

**Offering(s):** Also offered through Distance Education format.

**Restriction(s):** This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

## **PSYC\*1010 Making Sense of Data in Psychological Research Fall and Winter (LEC: 3) [0.50]**

This course introduces research designs and quantitative approaches used in psychological science, with an emphasis on conceptual understanding. Specific topics include distributions, meta-analysis, confidence intervals and p-values, effect size, and regression, as well as the differences between descriptive, correlational, and experimental research designs.

**Prerequisite(s):** PSYC\*1000

**Restriction(s):** STAT\*2040, STAT\*2060, STAT\*2080, STAT\*2120. This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

## **PSYC\*1300 Learning Disabilities Winter Only (LEC: 2, LAB: 2) [0.50]**

This course is offered in partnership with Student Accessibility Services (SAS) for individuals who have experience with a specific learning disability and are registered with Student Accessibility Services. Through a combination of lectures and seminars, central issues in the area of learning disabilities are explored with considerable opportunities for discussion. The course aims to help students with developing the tools to understand their own specific learning needs, foster the development of new learning skills, and deepen one's understanding of firsthand experience through the lens of scholarship in this discipline. A previously completed psychoeducational assessment is required.

**Restriction(s):** PSYC\*1400. Restricted to students who are registered with (and recommended by) Student Accessibility Services. Consult with Student Accessibility Services about eligibility.

**Department(s):** Department of Psychology

**Location(s):** Guelph

## **PSYC\*1400 Mental Health and Well-Being Winter Only (LEC: 4) [0.50]**

With a positive mental health orientation, this course is offered in partnership with Student Accessibility Services (SAS) for individuals who have an identified mental health condition and are registered with Student Accessibility Services. It focuses on better understanding and promoting mental health and wellbeing, with a joint focus on both a scholarly and applied understanding. Students are expected to gain increased mental health/illness knowledge and understanding, increased academic self-efficacy in the context of mental health challenges, and awareness of/practice at skills for improving wellbeing.

**Restriction(s):** PSYC\*1300. Restricted to students who are registered with (and recommended by) Student Accessibility Services. Consult with Student Accessibility Services about eligibility.

**Department(s):** Department of Psychology

**Location(s):** Guelph

## **PSYC\*1500 Foundational Skills for Psychology Fall and Winter (LEC: 3) [0.50]**

This course is designed to help Psychology majors to optimize their learning in the Psychology program. The primary focus is on individual skill development with respect to academic learning, written and oral communication, career planning, and working in groups. Specific topics will vary by instructor.

**Co-requisite(s):** 1 of PSYC\*1000, PSYC\*1100, PSYC\*1200

**Restriction(s):** Restricted to Psychology majors BAH, BAH:C, BSC.PBC, and Psychology Area of Concentration

**Department(s):** Department of Psychology

**Location(s):** Guelph

## **PSYC\*2020 Clinical Psychology and Mental Health Winter Only (LEC: 3) [0.50]**

This course is an introduction to clinical psychology and mental health including a multidimensional conceptualization of mental health, assessment, diagnosis, and treatment. Common psychological disorders will be explored with respect to etiology, assessment, current diagnosis and classification, as well as treatment. Emphasis will be given to broad empirical research and to the experiences of individuals with these disorders.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** PSYC\*1000

**Restriction(s):** This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

## **PSYC\*2070 Teams, Leadership, and Professional Behaviour Fall and Winter (LEC: 3) [0.50]**

The course will focus on the theory and practical application of Organizational Psychology with regard to leadership, teams, and professional behaviour. The course will provide students with opportunities to assess their leadership and teamwork skills, as well as active learning activities to practice these skills. Key topics will include work motivation, time management, personal organizational skills, goal setting, conflict management, social influence and stress management.

**Prerequisite(s):** PSYC\*1500 or 4.00 credits in Psychology

**Restriction(s):** PSYC\*3080. Restricted to Psychology majors BAH, BAH:C, BSC.PBC, and Psychology Area of Concentration

**Department(s):** Department of Psychology

**Location(s):** Guelph

## **PSYC\*2310 Social Psychology Summer, Fall, and Winter (LEC: 3) [0.50]**

This course introduces students to the field of social psychology.

Major topics introduced will include: social influence, social cognition, attitude, stereotype and prejudice, the self, attraction and interpersonal relationships, group processes and intergroup relations. The course also aims for students to use the knowledge acquired to think critically about how their actions and those of others are influenced by social forces. In addition, the course aims to introduce students to the role of culture in shaping thoughts and behaviour and to provide them an opportunity to appreciate diverse perspectives.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** 1 of PSYC\*1000, PSYC\*1100, PSYC\*1200

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*2330 Principles of Learning Fall Only (LEC: 3) [0.50]**

This course provides a detailed description of principles and concepts of learning and motivation, as well as an introduction to their underlying neurobiological mechanisms. Through the examination of empirical evidence in the fields of Psychology and Behavioural Neuroscience, this course offers a comprehensive description of the role of conditioning in normal and abnormal behaviours.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** PSYC\*1000

**Restriction(s):** This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*2360 Psychological Methods and Statistics Fall and Winter (LEC: 3) [0.50]**

This course builds on students' understanding of basic psychological research methods and statistics, with an emphasis on designing, interpreting, and communicating research. Topics covered throughout the term may include: research ethics, the scientific method, qualitative and quantitative measures, reliability and validity, complex research designs using multiple predictor or independent variables, and the reading and writing of psychological journal articles.

**Prerequisite(s):** PSYC\*1000, (PSYC\*1010 or STAT\*2040)

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*2390 Sensation and Perception Winter Only (LEC: 3) [0.50]**

The course objective is to consider the processes of sensory inputs and perception. Approaches ranging from psychophysiology and cognitive psychology to physiology and anatomy will be used. In considering the psychology of sensation and perception, some of the anatomical and physiological aspects of selected senses will be covered in detail and the roles of experience, organization of inputs, and theories of perception are discussed. Topics to be emphasized will vary with the instructor, but may include ontogenetic development, learning, and modification of inputs and their perception. Students will participate in on-line laboratory demonstrations and experiments.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** 1 of PSYC\*1000, PSYC\*1100, PSYC\*1200

**Restriction(s):** This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*2410 Behavioural Neuroscience I Summer and Fall (LEC: 3) [0.50]**

This course is a general introduction to the structure and function of the nervous system. The physiological basis of sensory (input) systems and the motor (output) system are examined as are central physiological bases of processes such as learning and memory.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** PSYC\*1000

**Restriction(s):** NEUR\*2000. Not available to students registered in the BSCH.NEUR and BSCH.NEUR:C. This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*2450 Developmental Psychology Fall Only (LEC: 3) [0.50]**

This course is an introduction to and an analysis of the major theories of developmental psychology. Emphasis will be placed on the processes of development in the child including physical growth, perception, cognition, personality and interactions with the social environment. The application of developmental psychology to educational and social issues will be discussed.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** 1 of PSYC\*1000, PSYC\*1100, PSYC\*1200

**Restriction(s):** FRHD\*2270. This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*2650 Cognitive Psychology Winter Only (LEC: 3) [0.50]**

This course is an introduction to cognitive processes, including topics in the areas of attention, memory, language and reasoning. Students will be exposed to and participate in on-line laboratory demonstrations and experiments.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** 1 of PSYC\*1000, PSYC\*1100, PSYC\*1200

**Restriction(s):** This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*2740 Personality Winter Only (LEC: 3) [0.50]**

This course is a review of the theory, assessment procedures and research findings pertinent to major personality constructs. Personality research, methodology and design will also be covered.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** 1 of PSYC\*1000, PSYC\*1100, PSYC\*1200

**Restriction(s):** This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3000 Historical and Critical Perspectives on Psychology Fall and Winter (LEC: 3) [0.50]**

The purpose of this course is to help students understand the socio-historical and theoretical context of modern psychological research and practice. This includes: 1) evaluating basic assumptions underlying modern psychology by drawing on historical, theoretical and philosophical perspectives, and 2) investigating historical and current controversies within psychology. Topics may include the question of psychology's scientific status, the assumptions embedded in psychological theory and research methodology, social constructionism, free will/agency, and the relations between psychology, power, ethics, and politics.

**Prerequisite(s):** PSYC\*2070, PSYC\*2360, (3 of PSYC\*2020, PSYC\*2310, PSYC\*2330, PSYC\*2390, PSYC\*2410, PSYC\*2450, PSYC\*2650, PSYC\*2740)

**Restriction(s):** PSYC\*4370, PSYC\*4900. Restricted to psychology majors BAH, BAH:C, BSC.PBC, and Psychology area of concentration

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3020 Psychology of Law Unspecified (LEC: 3) [0.50]**

An examination of psychological methods, findings and theories in the study of law. Topics will include the fallibility of the eyewitness; juror decisional processes; credibility of witnesses and attorneys; socialization into legal systems, police behaviour, etc.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** 2.50 credits in Psychology or PSYC\*2310

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3030 Neurochemical Basis of Behaviour Winter Only (LEC: 3) [0.50]**

This course analyses how drugs act on various neurochemical systems to regulate motivation and behaviour. Topics of discussion may include psychopathology and its treatment.

**Prerequisite(s):** 2.00 credits in Psychology, (1 of BIOM\*3090, NEUR\*2000, PSYC\*2410)

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3100 Evolutionary Psychology Fall Only (LEC: 3) [0.50]**

Evolutionary Psychology (EP) offers a Darwinian frame of reference for studying questions about human nature. After reviewing basic material on genetics and natural selection, we will examine and criticize the contribution of EP to the understanding of the various aspects of individual and social behaviour, such as altruism, logic, mate selection, health, morality, aesthetics, and the role of culture.

**Offering(s):** Offered in even-numbered years.

**Prerequisite(s):** 2.50 credits in Psychology

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3110 Topics in Health Psychology Winter Only (LEC: 3) [0.50]**

This course covers research in health psychology. Possible topics include the interplay of psychosocial factors, behaviour, and physical health; pediatric health psychology; health interventions at the individual, family, group or community levels.

**Offering(s):** Offered in even-numbered years.

**Prerequisite(s):** NEUR\*2000 or 2.50 credits in Psychology

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3240 Independent Research Project Summer, Fall, and Winter (LAB: 6) [0.50]**

This course provides individual students with hands-on experience conducting a research project. Students are supervised directly by a faculty member as they conduct an in-depth investigation of a specific topic within psychology. Typically, the course involves both the practice and reporting of research. Through this experience students will develop a broader appreciation of the relations between knowledge, theory and research while acquiring basic skills in research methodologies and modes of inquiry. In addition, students will develop their written and oral communication skills (e.g., integration of relevant literature, reporting of research). Course registration requires the signature of the Psychology Academic Manager. This signature is contingent upon the student demonstrating they have obtained a faculty supervisor's signature and satisfy the course prerequisites. Please see the Psychology department website for more information. <https://www.uoguelph.ca/psychology/>

**Prerequisite(s):** 2.50 credits in Psychology including PSYC\*2360

**Equate(s):** PSYC\*3900

**Restriction(s):** A minimum grade point average of 75% in Psychology courses. Instructor consent required.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3270 Cognitive Neuroscience Fall Only (LEC: 3) [0.50]**

This course provides an overview of the neural process that support cognitive abilities such as attention, perception, memory, emotion, and reasoning. An emphasis is placed on primary research with the goal of revealing the types of methods that cognitive neuroscientists use, and types of questions that they ask, as they try to understand the relationship between our minds and brains.

**Prerequisite(s):** 1 of NEUR\*2000, PSYC\*2390, PSYC\*2410, PSYC\*2650

**Restriction(s):** PSYC\*4600. This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3280 Minds, Brains & Machines Unspecified (LEC: 3) [0.50]**

This course will introduce the student to basic issues in cognitive science from philosophical and psychological perspectives. Connectionism, Turing Machines, artificial intelligence, and alternative naturalistic models of the mind will be among the topics explored.

**Prerequisite(s):** 2.50 credits in Psychology or 3.00 credits in Philosophy

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3290 Conducting Statistical Analyses in Psychology Fall and Winter (LEC: 3, LAB: 1) [0.50]**

This course focuses on training students in the quantitative analysis and communications skills needed to become a researcher in psychology. Students conduct a correlation-based meta-analysis to help them concretely understand sampling distributions and the difficulties associated with obtaining study results that replicate. This meta-analytic foundation is then leveraged to teach traditional psychological analysis techniques (e.g., t-test, analysis of variance, and bi-variate/multiple regression) with an emphasis on maximizing factors that increase the probability of study findings that replicate. The value of interpreting results using effect sizes with confidence intervals is discussed and the logic of null-hypothesis testing is briefly reviewed.

**Prerequisite(s):** 2.50 credits in Psychology including PSYC\*2360

**Restriction(s):** PSYC\*2040, STAT\*2050. Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.NEUR, BSCH.NEUR:C and a minor in NEUR with a minimum cumulative average of 70% in all Psychology course attempts.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3300 Psychology of Gender Winter Only (LEC: 3) [0.50]**

This course will examine the theories and psychological research that deals with the impact of gender upon people's lives and behaviour. Topics will include gender-role socialization and stereotypes; gender-related status and power differentials; and gender differences and dynamics in the physiological, intrapsychic, interpersonal, and socio-cultural domains.

**Offering(s):** Offered in odd-numbered years.

**Prerequisite(s):** 2.50 credits in Psychology including PSYC\*2310

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3330 Memory and Attention Fall Only (LEC: 3) [0.50]**

This course provides an overview of attention and memory: how we prioritize some objects and events over others and how such prior experience influences our subsequent thoughts, feelings and actions. The course will cover what is known about memory and attention from research in the overlapping fields of cognitive psychology, neuropsychology, and cognitive neuroscience.

**Prerequisite(s):** 2.50 credits in Psychology including PSYC\*2650

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3350 Cross-Cultural Psychology Fall Only (LEC: 3) [0.50]**

This course provides an examination of cultural differences from the perspective of psychology, and of individual and group relations within and between culturally diverse societies. The primary goal of this course is to provide a framework and knowledge base with which to understand the various contexts, processes and outcomes of intercultural contact.

**Offering(s):** Offered in odd-numbered years.

**Prerequisite(s):** 2.50 credits in Psychology including PSYC\*2310

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3410 Behavioural Neuroscience II Winter Only (LEC: 3, LAB: 2) [0.50]**

This course will focus on contemporary research and theory related to such selected topics as physiological correlates of memory, learning, motivation, emotion, stress, sensory and motor functions. Both the central and peripheral components of the nervous system will be examined in relation to the above.

**Prerequisite(s):** NEUR\*2000 or PSYC\*2410

**Restriction(s):** Restricted to students in Neuroscience (major or Minor).

This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3450 Social and Personality Development Winter Only (LEC: 3) [0.50]**

This course is an examination of research, methodological issues and theories concerning personality-social development. Topics may include temperament, imitation, parent-child interaction, and the development of attachments, sex-roles, morality, aggression and pro-social behaviour.

**Prerequisite(s):** 2.00 credits in Psychology including (FRHD\*2270 or PSYC\*2450)

**Restriction(s):** This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3470 Putting Psychology to Work Winter Only (LEC: 3) [0.50]**

This course provides students with the opportunity to prepare for the transition to post-graduate programs and work, by exploring psychology as it relates to work. Topics include: the history of work and industrial psychology, career management, job analysis, recruitment, selection, employment law, compensation and benefits, performance appraisal, training and development, as well as succession planning.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** PSYC\*2070, PSYC\*2360, (2 of PSYC\*2020, PSYC\*2310, PSYC\*2450, PSYC\*2740), (1 of PSYC\*2330, PSYC\*2390, PSYC\*2410, PSYC\*2650)

**Restriction(s):** PSYC\*3070. Restricted to psychology majors BAH, BAH:C, and Psychology area of concentration. This is a Priority Access Course.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3480 Psychology of Sport Unspecified (LEC: 3) [0.50]**

This course provides an examination of individual and group behaviour in physical activities and sports. Emphasis will be placed on understanding psychological concepts which are pertinent to sports, e.g., motivation, social and personality development, cognition, leadership and group dynamics.

**Offering(s):** Offered through Distance Education format only.

**Prerequisite(s):** PSYC\*2310 or PSYC\*2740

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3490 Social and Organizational Psychology Fall Only (LEC: 3) [0.50]**

A number of applied issues will be examined from a social and organizational psychological perspective. The topics will include health and well-being; attributions and person perception; intergroup relations and prejudice; and social influence. Students will learn how to apply psychological theories and research to understand and ameliorate applied issues.

**Prerequisite(s):** 3.00 credits in Psychology including PSYC\*2070, PSYC\*2310

**Restriction(s):** PSYC\*3080. This is a Priority Access Course. for Psychology majors BAH, BAH:C, BSC.PBC, and Psychology area of concentration

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3570 The Psychology of Death and Dying Unspecified (LEC: 3) [0.50]**

An examination of theory, research, and issues in the psychology of death and dying. Emphasis is upon the cognitive operations used to process information about death and the influence of death constructs in daily life. Topics include the development of death concepts throughout the life-span, death anxiety in society, the needs of the dying person, the psychology of grieving, and unexpected losses such as deaths by suicide or miscarriage.

**Offering(s):** Offered through Distance Education format only.

**Prerequisite(s):** 1 of FRHD\*2270, PSYC\*2310, PSYC\*2740, PSYC\*2450

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3800 Psychology and Education Unspecified (LEC: 3) [0.50]**

The application of psychological principles and techniques to the study of the educational process.

**Offering(s):** Offered through Distance Education format only.

**Prerequisite(s):** 1 of FRHD\*2270, PSYC\*1000, PSYC\*1100, PSYC\*1200

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*3850 Intellectual Disabilities Unspecified (LEC: 3) [0.50]**

This course covers applied and theoretical aspects of intellectual disabilities, and lays a foundation for work in the area of intellectual disabilities.

**Offering(s):** Offered through Distance Education format only.

**Prerequisite(s):** FRHD\*2270 or PSYC\*2450

**Department(s):** Department of Psychology

**Location(s):** Guelph



**PSYC\*3910 Psychology Externship Summer, Fall, and Winter (LAB: 6) [0.50]**

An independent program of study formally integrating the student's academic study with one or more work experiences, to be decided by the student in consultation with the supervisory faculty prior to registration in the course. In order to qualify for this course, the student must be employed in a work setting at the time of registration to help ensure that a suitable project is feasible in the context of a work placement or employment. The department is not responsible for obtaining employment. The course project is aimed at making a significant contribution to the work setting. The student must consult with the supervisory faculty before selecting or registering for the course. (Enrolment is limited. Not open to co-op students.)

**Prerequisite(s):** PSYC\*2070, PSYC\*2360, (2 of PSYC\*2020, PSYC\*2310, PSYC\*2450, PSYC\*2740), (1 of PSYC\*2330, PSYC\*2390, PSYC\*2410, PSYC\*2650)

**Restriction(s):** Restricted to BAH.PSYC and BAG.PSYC. Not available to students in BAH.PSYC:C. Instructor consent required.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4240 Advanced Independent Research Project Summer, Fall, and Winter (LEC: 3, LAB: 6) [0.50]**

This course provides individual students with hands-on experience conducting a research project. Students are supervised directly by a faculty member as they conduct an in-depth investigation of a specific topic within psychology. Typically, the course involves both the practice and reporting of research. Students will apply the research and communication skills they have acquired through prior coursework in order to work more independently. Course registration requires the signature of the Psychology Academic Manager. This signature is contingent upon the student demonstrating they have obtained a faculty supervisor's signature and satisfy the course prerequisites. Please see the Psychology department website for more information. <https://www.uoguelph.ca/psychology/>

**Prerequisite(s):** 14.00 credits including [(PSYC\*2040 or PSYC\*3290) ], 1.00 credits in Psychology at the 3000 level]

**Restriction(s):** PSYC\*4500, PSYC\*4510. Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC or a major or minor in Neurosciences with a minimum grade point average of 75% in all Psychology course attempts. Instructor consent required.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4290 Psychological Measurement Fall and Winter (LEC: 3) [0.50]**

This course focuses on training students how to conduct research such that measurement theory guides measure selection and construction. Consequences of measurement theory (reliability/validity) for the accuracy of research findings and interpretation of test scores are also covered. A variety of individual difference variables are examined with an emphasis on how measurement strategies differ depending on the nature of the construct.

**Prerequisite(s):** PSYC\*3290

**Restriction(s):** PSYC\*3250. Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.NEUR, BSCH.NEUR:C or minor in Neuroscience with a minimum cumulative average of 70% in all Psychology course attempts.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4310 Advanced Topics in Social and Applied Social Psychology Winter Only (LEC: 3) [0.50]**

This is an in-depth examination of specific advances in social psychological research, theory, and/or applications. Selected topic areas may include the psychology of social groups, women's health and well-being, and community interventions. Specific topics, to be announced prior to course selection, will vary according to the interests of the instructor of the course.

**Prerequisite(s):** 14.00 credits including PSYC\*2310, PSYC\*3290

**Restriction(s):** Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC, or a major or minor in Neuroscience with a minimum grade point average of 70% in all Psychology course attempts. This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4330 Industrial/Organizational Psychology Fall Only (LEC: 3) [0.50]**

Students will examine theoretical and methodological issues in selected topic areas of industrial/organizational psychology. Selected topic areas may include diversity issues, trust and justice, job performance, employment selection, and stress and well-being. Specific topics, to be announced prior to course selection, will vary according to the interests of the instructor of the course.

**Prerequisite(s):** 14.00 credits including PSYC\*3290, (1 of PSYC\*2070, PSYC\*3070, PSYC\*3080, PSYC\*3490)

**Restriction(s):** Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC, or a major or minor in Neuroscience with a minimum grade point average of 70% in all Psychology course attempts. This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4460 Advanced Topics in Clinical and Applied Developmental Psychology Winter Only (LEC: 3) [0.50]**

This course covers issues and theories in clinical or applied developmental psychology. Topics may include pediatric (child health) psychology, attachment relationships, non-suicidal self-injury, and aggression. The selected topic, to be announced prior to course selection, will vary on the basis of the expertise of the instructor.

**Prerequisite(s):** 14.00 credits including PSYC\*2020, PSYC\*3290, (1 of FRHD\*2270, PSYC\*2450, PSYC\*2740)

**Restriction(s):** Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC, or a major or minor in Neuroscience with a minimum grade point average of 70% in all Psychology course attempts. This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4470 Advanced Topics in Behavioural and Cognitive Neuroscience Fall Only (LEC: 3) [0.50]**

Major areas of contemporary behavioural or cognitive neuroscience will be covered in a seminar format. Selected topic areas may include the neural basis of learning, memory, attention, sensation, and perception. The selected topic, to be announced prior to course selection, will vary on the basis of the expertise of the instructor.

**Prerequisite(s):** PSYC\*3270, (NEUR\*2000 or PSYC\*2410)

**Restriction(s):** Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC, or a major or minor in NEUR with a minimum grade point average of 70% in all Psychology course attempts, and a minimum of 14.00 completed credits. This is a Priority Access Course. Some restrictions may apply during some time periods.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4540 Practical Applications of Psychology Fall and Winter (LEC: 3) [1.00]**

This is a required capstone course for students in Psychology's BA and BSC Honours major programs, excepting those who are taking the Honours Thesis courses (PSYC\*4780, 4880). The course adopts a problem-based learning approach in which students will be presented with problems resembling those that they will face in their professional and personal lives. Students will apply their psychological knowledge and skills to analyze the problem, consider solutions, and communicate recommendations to hypothetical stakeholders.

**Prerequisite(s):** 14.00 credits including PSYC\*3290, (PSYC\*3000 or 7.50 credits in Psychology)

**Restriction(s):** PSYC\*4870, PSYC\*4880. Restricted to students in BAH.PSYC, BAH.PSYC:C, or BSCH.PBC with a minimum grade point average of 70% in all Psychology course attempts.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4570 Special Topics in Applied Psychology Unspecified (LEC: 3) [0.50]**

This is an in-depth examination of specific advances in the application of psychology theory and methods. Specific topics will vary according to the expertise of the instructor.

**Prerequisite(s):** 14.00 credits including PSYC\*3290

**Restriction(s):** Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC or BSCH.NEUR, BSCH.NEUR:C or NEUR minor with a minimum grade point average of 70% in all Psychology course attempts.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4580 Special Topics in Behavioural Sciences Unspecified (LEC: 3) [0.50]**

This course provides an in-depth examination of specific theoretical and methodological advances for understanding human and/or animal behaviour. Specific topics will vary according to the expertise of the instructor, but could include advances in Social Psychology, Industrial/Organizational Psychology, Cognitive or Behavioural Neuroscience.

**Prerequisite(s):** 14.00 credits including PSYC\*3290, 1.00 credits in Psychology at the 3000 level

**Restriction(s):** Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC or a major or minor in Neurosciences with a minimum grade point average of 70% in all Psychology course attempts.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4750 Seminar in Motivation and Emotion Winter Only (LEC: 3) [0.50]**

This course provides an in-depth examination of motivation and emotion—the neurocognitive mechanisms and corresponding subjective feelings that focus thoughts and behaviours in an adaptive way toward some objects and events in the environment and away from others. The course material and assignments will cover what is known about motivation and emotion from research in the fields of biological, cognitive, and/or social psychology, emotion theory, and cognitive-affective neuroscience.

**Prerequisite(s):** 14.00 credits including 1.50 credits in Psychology at the 3000 level

**Restriction(s):** Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC, or a major or minor in Neuroscience with a minimum grade point average of 70% in all Psychology course attempts.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4780 Advanced Quantitative Research Methods and Statistics Fall Only (LEC: 3) [0.50]**

As a companion to honours thesis, this course focuses on advanced quantitative research methods and statistical techniques, cumulating in the creation of statistical research plans for student theses in a manner consistent with contemporary standards. A key feature of the course is learning research designs and workflows that are consistent with disciplinary standards and likely to create replicable study results. Students will focus on the correspondence between complex designs and the statistical techniques that can be used to analyze the data resulting from such designs. In addition to readings, lectures, and in-class exercises, students will be guided through the process of creating scripts for analyzing quantitative data and reporting on an empirical investigation.

**Prerequisite(s):** 14.00 credits including (PSYC\*3290 or STAT\*2050)

**Co-requisite(s):** PSYC\*4870

**Restriction(s):** PSYC\*4790. Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC, or a major or minor in Neuroscience with a minimum cumulative average of 70% in all Psychology course attempts. Instructor consent required.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4790 Qualitative Methods in Psychology Fall Only (LEC: 3) [0.50]**

This course examines qualitative methods in psychology. Students will be exposed to key theoretical and methodological foundations for conducting qualitative research. Students will also be guided through conducting qualitative data analysis.

**Prerequisite(s):** 14.00 credits including (PSYC\*3290 or STAT\*2050)

**Restriction(s):** PSYC\*4780. Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC, or a major or minor in Neuroscience with a minimum cumulative average of 70% in all Psychology course attempts. Instructor consent required.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4870 Honours Thesis I Summer, Fall, and Winter (LEC: 3) [0.50]**

Under individual faculty supervision, students plan, develop, and write a research proposal and prepare an extensive review paper on their area of research. Group sessions are held on research ethics, subject protocols and computer data handling techniques. This course will be graded on a Pass/Fail basis. Note that enrolment in this course is limited and academic records are used for student selection. Course registration requires the signature of the Course Instructor. This signature is contingent upon the student demonstrating they have obtained a Thesis Supervisor's signature on the department's Thesis Registration Form and have an academic standing appropriate for application to graduate programs (see Graduate Advisory under Major).

**Prerequisite(s):** 14.00 credits including (1 of NEUR\*3500, PSYC\*3000, 7.50 credits in Psychology)

**Co-requisite(s):** 1 of NEUR\*4000, PSYC\*4780, PSYC\*4790

**Restriction(s):** PSYC\*4540. Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC or a major or minor in Neurosciences with a minimum grade point average of 75% in all Psychology course attempts. Instructor consent required.

**Department(s):** Department of Psychology

**Location(s):** Guelph

**PSYC\*4880 Honours Thesis II Summer, Fall, and Winter (LEC: 3, LAB: 10) [1.00]**

This course is a continuation of PSYC\*4870. Students conduct research and write an undergraduate thesis under the direction of a faculty member.

**Prerequisite(s):** PSYC\*4870

**Restriction(s):** PSYC\*4540. Restricted to students in BAH.PSYC, BAH.PSYC:C, BSCH.PBC or a major or minor in Neurosciences with a minimum grade point average of 75% in all Psychology course attempts. Instructor consent required.

**Department(s):** Department of Psychology

**Location(s):** Guelph