

# 2014-2015 Graduate Calendar

The information published in this Graduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2013-2014 academic years, including the Summer Semester 2014, Fall Semester 2014 and the Winter Semester 2015.

For your convenience the Graduate Calendar is available in PDF format.

If you wish to link to the Graduate Calendar please refer to the [Linking Guidelines](#).

The University is a full member of:

- The Association of Universities and Colleges of Canada

Contact Information:

University of Guelph  
Guelph, Ontario, Canada  
N1G 2W1

519-824-4120

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## Disclaimer

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The Office of Graduate Studies has attempted to ensure the accuracy of this on-line Graduate Calendar. However, the publication of information in this document does not bind the university to the provision of courses, programs, schedules of studies, fees, or facilities as listed herein.

## Limitations

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The University of Guelph reserves the right to change without notice any information contained in this calendar, including any rule or regulation pertaining to the standards for admission to, the requirements for the continuation of study in, and the requirements for the granting of degrees or diplomas in any or all of its programs.

The university will not be liable for any interruption in, or cancellation of, any academic activities as set forth in this calendar and related information where such interruption is caused by fire, strike, lock-out, inability to procure materials or trades, restrictive laws or governmental regulations, actions taken by the faculty, staff or students of the university or by others, civil unrest or disobedience, Public Health Emergencies, or any other cause of any kind beyond the reasonable control of the university.

The University of Guelph reaffirms section 1 of the Ontario Human Rights Code, 1981, which prohibits discrimination on the grounds of race, ancestry, place of origin, colour, ethnic origin, citizenship, creed, sex, sexual orientation, handicap, age, marital status or family status.

The university encourages applications from women, aboriginal peoples, visible minorities, persons with disabilities, and members of other under-represented groups.

# Introduction

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## Collection, Use and Disclosure of Personal Information

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Personal information is collected under the authority of the University of Guelph Act (1964), and in accordance with Ontario's Freedom of Information and Protection of Privacy Act (FIPPA) [http://www.e-laws.gov.on.ca/DBLaws/Statutes/English/90f31\\_e.htm](http://www.e-laws.gov.on.ca/DBLaws/Statutes/English/90f31_e.htm). This information is used by University officials in order to carry out their authorized academic and administrative responsibilities and also to establish a relationship for alumni and development purposes. Certain personal information is disclosed to external agencies, including the Ontario Universities Application Centre, the Ministry of Training, Colleges and Universities, and Statistics Canada, for statistical and planning purposes, and is disclosed to other individuals or organizations in accordance with the Office of Registrarial Services Departmental Policy on the Release of Student Information. For details on the use and disclosure of this information call the Office of Registrarial Services at the University at (519) 824-4120 or see <https://www.uoguelph.ca/registrar/>

## Statistics Canada - Notification of Disclosure

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For further information, please see Statistics Canada's web site at <http://www.statcan.gc.ca> and Section XIV Statistics Canada.

## Address for University Communication

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Depending on the nature and timing of the communication, the University may use one of these addresses to communicate with students. Students are, therefore, responsible for checking all of the following on a regular basis:

### Email Address

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The University issued email address is considered an official means of communication with the student and will be used for correspondence from the University. Students are responsible for monitoring their University-issued email account regularly.

### Home Address

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Students are responsible for maintaining a current mailing address with the University. Address changes can be made, in writing, through the Office of Graduate Studies.

## Name Changes

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The University of Guelph is committed to the integrity of its student records, therefore, each student is required to provide either on application for admission or on personal data forms required for registration, his/her complete, legal name. Any requests to change a name, by means of alteration, deletion, substitution or addition, must be accompanied by appropriate supporting documentation.

## Student Confidentiality and Release of Student Information Policy Excerpt

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The University undertakes to protect the privacy of each student and the confidentiality of his or her record. To this end the University shall refuse to disclose personal information to any person other than the individual to whom the information relates where disclosure would constitute an unjustified invasion of the personal privacy of that person or of any other individual. All members of the University community must respect the confidential nature of the student information which they acquire in the course of their work.

Complete policy at <http://www.uoguelph.ca/policies>.



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## Psychology

The Department of Psychology offers three graduate degrees, a Master of Arts, a Master of Science and a Doctor of Philosophy. The first is an MA in: 1) Applied Social Psychology, 2) Clinical Psychology: Applied Developmental Emphasis and 3) Industrial/Organizational Psychology. The second is an MSc in: 1) Neuroscience & Applied Cognitive Science. The third is a PhD in: 1) Applied Social Psychology, 2) Clinical Psychology: Applied Developmental Emphasis, 3) Industrial/Organizational Psychology and 4) Neuroscience & Applied Cognitive Science. Note that the Masters programs are an integral part of the doctoral studies and students are admitted with the expectation of completing the doctoral degree. These areas of study, which are described below, provide training in both research and professional skills, as well as a firm grounding in theory and research in relevant content areas. See the department website at <http://www.psychology.uoguelph.ca> for additional information.

### Administrative Staff

#### Chair

Francesco Leri (4013 MacKinnon, Ext. 58264)  
fleri@uoguelph.ca

#### Graduate Coordinator

Mark Fenske (4001 MacKinnon Ext, Ext. 56411)  
mfenske@uoguelph.ca

#### Graduate Secretary

Robin Fraser (4014 MacKinnon, Ext. 53508)  
rfraser@psy.uoguelph.ca

### Graduate Faculty

#### Naseem Al-Aidroos

BSc Waterloo, MA, PhD Toronto - Assistant Professor

#### Heidi N. Bailey

BA British Columbia, PhD Western - Associate Professor

#### Paula Barata

BA British Columbia, MA, PhD Windsor - Associate Professor

#### Pat Barclay

BSc Guelph, PhD McMaster - Associate Professor

#### Roderick W. Barron

BA Occidental, MA, PhD Ohio State - Professor

#### Elena Choleris

BSc, PhD Parma (Italy) - Professor

#### Donald Dedrick

BA, MA Carleton, PhD Toronto - Associate Professor, (cross-appointed with Department of Philosophy)

#### Serge Desmarais

BA, MA, PhD Waterloo - Professor, Canada Research Chair, Associate Vice-President (Academic)

#### Mary Ann Evans

BA Toronto, MA, PhD Waterloo - Professor

#### Mark J. Fenske

BSc Lethbridge, MA, PhD Waterloo - Associate Professor

#### Benjamin Giguère

BA McGill, MA, PhD York - Assistant Professor

#### Harjinder Gill

BA Waterloo, MA, PhD Western Ontario - Associate Professor

#### Gloria Gonzalez-Morales

BA La Laguna, DIPL, PhD Valencia - Associate Professor

#### Michael P. Grand

BA Toronto, PhD SUNY at Stony Brook - Professor

#### Peter A. Hausdorf

BSc McMaster, MA Guelph, PhD McMaster - Associate Professor and Associate Chair

#### Karl H. Hennig

BEd, MA, PhD British Columbia - Assistant Professor

#### Francesco Leri

BA, MA, PhD McGill - Professor and Graduate Coordinator

#### Stephen Lewis

BSc, PhD Dalhousie - Associate Professor

#### Margaret N. Lumley

BA Waterloo, MA, PhD Queen's - Associate Professor

#### Harvey H.C. Marmurek

BA Toronto, MA, PhD Ohio State - Professor

#### C. Meghan McMurty

BA Laurier, PhD Dalhousie - Assistant Professor

#### Daniel V. Meegan

BA SUNY at Albany, PhD McMaster - Associate Professor

#### Barbara A. Morrongiello

BA Douglass College (Rutgers), MS, PhD Massachusetts - Professor, Canada Research Chair

#### Ian R. Newby-Clark

BSc Toronto, PhD Waterloo - Associate Professor

#### Kieran O'Doherty

BSc Witwatersrand, BHSc, PhD Adelaide - Associate Professor

#### Linda A. Parker

BA, MA California State, Long Beach PhD Memorial - Professor, Canada Research Chair

#### Deborah Powell

BA Queen's, MA, PhD Western - Associate Professor

#### Saba F. Safdar

BA McMaster, MA, PhD York - Associate Professor

#### Leanne S.M. Son Hing

BA Queen's, MA, PhD Waterloo - Associate Professor

#### Jeffrey Spence

BA Laurier, MA, PhD Waterloo - Assistant Professor

#### David Stanley

BA Waterloo, MA, PhD Western Ontario - Associate Professor

#### Lana M. Trick

BSc Calgary, MA, PhD Western Ontario - Associate Professor

#### Franco Vaccarino

BSc Toronto, MA, PhD McGill - Professor, President, and Vice-Chancellor

#### Boyer D. Winters

BA Dalhousie, PhD Cambridge - Associate Professor

#### Jeffery Yen

BSc MA Rhodes, PhD Toronto - Assistant Professor

#### Arlene Young

BA Guelph, MSASc, PhD Waterloo - Associate Professor

### Neuroscience and Applied Cognitive Science (MSc, PhD)

<http://www.uoguelph.ca/nacs>

The Masters and PhD programs in the areas of Neuroscience and Applied Cognitive Science provides training for students interested in the integrative functioning of the brain. This program encompasses: basic cognitive processes, behavioural neuroscience, cognitive ergonomics, cognitive neuroscience, developmental and life-span cognition, and foundations of cognitive science. Students in these disciplines have the opportunity to learn about the interdisciplinary work of other students, faculty and outside researchers in the weekly research seminar in Neuroscience and Applied Cognitive Science. Additionally, students take courses specific to their research. A unique feature of this area of study is the practicum that provides students with additional specific training in a research laboratory, hospital, government agency, or non-government agency. As well, the Department of Psychology (and specifically the Neuroscience and Applied Cognitive Science area of Psychology) participates in the Collaborative Neuroscience and Collaborative Toxicology programs. That means that students in the Neuroscience and Applied Cognitive Science area have 3 alternatives for their degree. They can elect to register in Psychology alone, Psychology and Collaborative Neuroscience, or Psychology and Collaborative Toxicology. (Note that students cannot register in both the Collaborative Toxicology and Collaborative Neuroscience Programs.)

#### The program involves three components:

##### 1. Preparatory Course Work

Students will acquire knowledge and skills necessary to carry our Neuroscience and Cognitive Science research in academic and/or applied settings. At the Masters level, this will involve a course in Research Design and Statistics, a course in Research Ethics (Animal research ethics or Human research ethics), at least one elective in their specific field of research and the Research Seminar in Neuroscience and Applied Cognitive Science A. PhD students take Research Seminar in Neuroscience and Applied Cognitive Science B, at least three electives and must pass a qualifying exam.

##### 2. Practicum

One of the unique features of University of Guelph's Neuroscience and Applied Cognitive Science masters program is the practicum. Students will complete a practicum in a variety of research settings, including government agencies, hospitals, businesses, and other research laboratories. The practicum may involve learning a new technique in a laboratory other than that of the advisor. Practicum experiences will be tailored to the student's interests, and will enable student to acquire and refine skills and develop professional contacts. The research practicum is a required course for Masters students. PhD students may take one or more practicums as part of their electives.

##### 3. Thesis research

Students will carry out an independent research project under the supervision of a faculty supervisor. This will involve a thesis for the Masters program and a Dissertation for the PhD.

## Applied Social Psychology (MA, PhD)

Applied Social Psychology is based on the investigation of social processes and problems of significance to the general community and to specific groups. Areas of investigation may include, but are not limited to, aging, ethics, health, policy, equity, community services, the environment, ethnicity, and gender. Diverse research strategies, including qualitative and quantitative methods, are used to answer questions related to social issues. Graduate study in Applied Social Psychology is designed to prepare students for academic and applied research careers in a wide range of settings. The graduate program has two emphases: (1) the pursuit of advanced research, and (2) the design and evaluation of programs that aim to reduce social problems and promote human welfare.

## Clinical Psychology: Applied Developmental Emphasis (MA, PhD)

The area of Clinical Psychology: Applied Developmental Emphasis concentrates on understanding the development and treatment of psychological disorders experienced by children, youth and families. This includes a focus on the social, emotional, cognitive, and neurobiological features of normal and atypical development; risk and protective factors that influence the nature and progression of atypical development and response to treatment; and approaches to assessment, psychodiagnosis, and intervention. Also considered is the developmental impact of stressful life events such as divorce, illness, poverty, adoption, and death. Training in this field follows an integrated series of courses and practica which contributes to and mutually supports the students' acquisition of competence as both practitioners and researchers. Students participate in our on-campus clinic, the Centre for Psychological Services, and complete off campus practica in hospitals, schools and mental health settings under the supervision of registered psychologists. This training allows students to enter careers involving clinical and/or research positions in mental health centres, hospitals, schools, and the private sector, as well as careers involving teaching and research in university settings. It also prepares students for registration as psychologists with provincial licensing boards.

## Industrial/Organizational Psychology (MA, PhD)

The objective of study in the area of Industrial/Organizational Psychology is to train future professionals in the area of Industrial/Organizational Psychology following the guidelines established by the Canadian Society for Industrial/Organizational Psychology. Graduate students are expected to obtain a high level of proficiency in both research skills and practice in the core areas of Industrial/Organizational Psychology including personnel selection, organizational behaviour, work attitudes, performance appraisal, and measurement of individual differences. Graduates from this field of study will be in a position to enter careers in a wide range of private and public sector organizations, including universities, consulting firms, industries, and government agencies.

## General Admission and Program Requirements

To apply for admission, applicants must view "How to Apply" in the section Prospective Students... Graduate, in the Psychology Department website <http://www.psychology.uoguelph.ca>. This is a self-administered application.

## MA Program

### Admission Requirements MA Program

Consideration for admission to the MA program in the areas of Applied Social Psychology, Clinical Psychology: Applied Developmental Emphasis, or Industrial/Organizational Psychology will be given to students with an honours BA or BSc (or its equivalent) in Psychology and a minimum of a 'B+' standing. Students are normally expected to have taken courses across the breadth of psychology with some courses in the area to which they are applying. A strong background in methodology and statistics is expected. As well, applicants must have undertaken an Honours thesis research project or senior research project equivalent. Students are admitted to the MA program with the understanding that they intend to proceed to the PhD program.

### Degree Requirements MA Program

#### Applied Social Psychology

|           |        |  |
|-----------|--------|--|
| PSYC*6640 | [0.50] | Foundations of Applied Social Psychology |
| PSYC*6830 | [0.50] | Applied Social Psychology                |
| PSYC*6590 | [0.50] | Social and Community Intervention        |
| PSYC*6522 | [0.50] | Research Seminar II                      |
| PSYC*6840 | [0.50] | Program Evaluation                       |
| PSYC*6522 | [0.50] | Research Seminar II                      |
| PSYC*6880 | [0.25] | Ethical Issues in Psychology             |
| PSYC*6060 | [0.50] | Research Design and Statistics           |
| PSYC*6670 | [0.50] | Research Methods                         |
| PSYC*6471 | [0.50] | Practicum I                              |

and one elective course to be determined in consultation with the student's MA Advisory Committee, and MA Thesis.

#### Clinical Psychology: Applied Developmental Emphasis

|           |        |  |
|-----------|--------|--|
| PSYC*6060 | [0.50] | Research Design and Statistics                         |
| PSYC*6630 | [0.50] | Developmental Psychology                               |
| PSYC*6000 | [0.50] | Developmental Psychopathology: Etiology and Assessment |
| PSYC*6690 | [0.50] | Cognitive Assessment of Children and Adolescents       |

|           |        |   |
|-----------|--------|---|
| PSYC*6700 | [0.50] | Personality and Social Assessment of Children and Adolescents |
| PSYC*6010 | [0.50] | Learning Disorders: Research and Clinical Practice            |
| PSYC*6880 | [0.25] | Ethical Issues in Psychology                                  |
| PSYC*7991 | [0.25] | CP:ADE Clinical Practicum I                                   |
| PSYC*7992 | [0.50] | CP:ADE Clinical Practicum II and MA Thesis.                   |

#### Industrial/Organizational Psychology

|  |        |  |
|--|--------|--|
| PSYC*6060                                      | [0.50] | Research Design and Statistics                       |
| PSYC*6380                                      | [0.50] | Psychological Applications of Multivariate Analysis  |
| PSYC*6670                                      | [0.50] | Research Methods                                     |
| PSYC*7080                                      | [0.00] | Consulting in Industrial/Organizational Psychology   |
| PSYC*7130                                      | [0.50] | Introduction to Industrial/Organizational Psychology |
| At least 2 of the following set of 3 electives |        |  |
| PSYC*7010                                      | [0.50] | Recruitment and Selection: Methods and Outcomes      |
| PSYC*7020                                      | [0.50] | Employee Performance                                 |
| PSYC*7160                                      | [0.50] | Employee Development: Methods and Outcomes           |
| At least 2 of the following set of 3 electives |        |  |
| PSYC*7030                                      | [0.50] | Work Attitudes and Behaviour                         |
| PSYC*7040                                      | [0.50] | Social Processes in the Workplace                    |
| PSYC*7190                                      | [0.50] | Work Motivation and Leadership                       |

## MSc Program

### Admission Requirements MSc Program

Consideration for admission to the MSc program will be given to students with an honours BA or BSc (or its equivalent) in Psychology or a related field of study (e.g. neuroscience) and a minimum of a 'B+' standing. Students are normally expected to have taken courses across the breadth of psychology with some courses in the area to which they are applying. A strong background in methodology and statistics is expected. As well, applicants must have undertaken an Honours thesis research project or senior research project equivalent. Students are admitted to the MSc program with the understanding that they intend to proceed to the PhD program.

### Degree Requirements MSc Program

#### Neuroscience and Applied Cognitive Science

|           |        |  |
|-----------|--------|--|
| PSYC*6060 | [0.50] | Research Design and Statistics                                   |
| PSYC*6471 | [0.50] | Practicum I  |
| PSYC*6740 | [0.50] | Research Seminar in Neuroscience and Applied Cognitive Science A |
| PSYC*6880 | [0.25] | Ethical Issues in Psychology                                     |

or

|           |        |                          |
|-----------|--------|--------------------------|
| UNIV*6600 | [0.00] | Animal Care Short Course |
|-----------|--------|--------------------------|

Students must also take at least 1 of the following electives:

|           |        |                                   |
|-----------|--------|-----------------------------------|
| PSYC*6750 | [0.50] | Applications of Cognitive Science |
| PSYC*6780 | [0.50] | Foundations of Cognitive Science  |
| PSYC*6790 | [0.50] | Memory and Cognition              |
| PSYC*6800 | [0.50] | Neurobiology of Learning          |
| PSYC*6810 | [0.50] | Neuropsychology                   |
| NEUR*6000 | [0.50] | Principles of Neuroscience        |

Students are also given the option of choosing a graduate elective from outside this list with the permission of their advisor.

If students take more than one year to complete their Masters degree, then for each Fall and Winter semester until they graduate, they must register in PSYC \*6760 [0.0] Research Seminar in Neuroscience and Applied Cognitive Science B.

All students must also complete a MSc thesis.

## PhD Program

### Admission Requirements PhD Program

Students must have completed Masters requirements in the appropriate field of study (Neuroscience and Applied Cognitive Science; Applied Social Psychology; Clinical Psychology: Applied Developmental Emphasis; Industrial/Organizational Psychology) with a minimum 'A-' standing to be eligible for admission to the PhD program. These Masters requirements are normally met within the department in a two-year course of studies comprising specified course work and a thesis. Students admitted to the PhD program who have completed MA or MSc degrees in other fields of study and/or from other universities may be required to take Masters level courses to ensure adequate background preparation for PhD work.

### Degree Requirements PhD Program

#### Neuroscience and Applied Cognitive Science

|   |        |  |
|---|--------|--|
| PSYC*6760                                       | [0.00] | Research Seminar in Neuroscience and Applied Cognitive Science B |
| Three elective courses from the following list. |        |  |
| PSYC*6472                                       | [1.00] | Practicum II   |
| PSYC*6473                                       | [0.25] | Practicum III  |
| PSYC*6750                                       | [0.50] | Applications of Cognitive Science                                |



|           |        |   |
|-----------|--------|---|
| PSYC*6780 | [0.50] | Foundations of Cognitive Science                  |
| PSYC*6790 | [0.50] | Memory and Cognition                              |
| PSYC*6800 | [0.50] | Neurobiology of Learning                          |
| PSYC*6810 | [0.50] | Neuropsychology                                   |
| PSYC*6900 | [0.50] | Philosophy and History of Psychology as a Science |
| NEUR*6000 | [0.50] | Principles of Neuroscience                        |

Students are also given the option of choosing an graduate elective from outside this list with the permission of their advisor.

All students must also take the Qualifying exam and do a PhD thesis.

#### Applied Social Psychology

|           |        |   |
|-----------|--------|---|
| PSYC*6900 | [0.50] | Philosophy and History of Psychology as a Science   |
| PSYC*6380 | [0.50] | Psychological Applications of Multivariate Analysis |
| PSYC*6522 | [0.50] | Research Seminar II                                 |
| PSYC*6471 | [0.50] | Practicum I   |

One of:

|           |        |                         |
|-----------|--------|-------------------------|
| PSYC*6270 | [0.50] | Issues in Social Policy |
|-----------|--------|-------------------------|

1 elective to be determined in consultation with the student's PhD Advisory Committee; Qualifying Exam;

and PhD Thesis.

#### Clinical Psychology: Applied Developmental Emphasis

|           |        |   |
|-----------|--------|---|
| PSYC*6580 | [0.50] | Models of Child and Adolescent Psychotherapy        |
| PSYC*6670 | [0.50] | Research Methods                                    |
| PSYC*6900 | [0.50] | Philosophy and History of Psychology as a Science   |
| PSYC*6380 | [0.50] | Psychological Applications of Multivariate Analysis |
| PSYC*7070 | [0.50] | Psychological Measurement                           |
| PSYC*6840 | [0.50] | Program Evaluation                                  |
| PSYC*6610 | [0.50] | Advanced Child and Adolescent Psychotherapy         |
| PSYC*6890 | [0.25] | Legislation and Professional Practice               |
| PSYC*6020 | [0.50] | Clinical and Diagnostic Interviewing Skills         |
| PSYC*7993 | [1.00] | CP:ADE Clinical Practicum III                       |

In accordance with CPA Accreditation Standards, if student has not completed 2 senior undergraduate half courses in the social bases of behaviour, one of the following three courses is required:

|           |        |  |
|-----------|--------|--|
| PSYC*6590 | [0.50] | Social and Community Intervention        |
| PSYC*6640 | [0.50] | Foundations of Applied Social Psychology |
| PSYC*6830 | [0.50] | Applied Social Psychology                |

If a student has not completed 2 senior undergraduate half courses in the biological bases of behaviour, the following course is required:

|           |        |                 |
|-----------|--------|-----------------|
| PSYC*6810 | [0.50] | Neuropsychology |
|-----------|--------|-----------------|

If a student has not completed 2 senior undergraduate half courses in the cognitive-affective bases of behaviour, the following course is required:

|           |        |                      |
|-----------|--------|----------------------|
| PSYC*6790 | [0.50] | Memory and Cognition |
|-----------|--------|----------------------|

The following course is required if a student has not taken a one half undergraduate course of this nature:

|           |        |   |
|-----------|--------|---|
| PSYC*6900 | [0.50] | Philosophy and History of Psychology as a Science |
|-----------|--------|---|

Qualifying Exam;

|           |        |                     |
|-----------|--------|---------------------|
| PSYC*8000 | [0.00] | Clinical Internship |
|-----------|--------|---------------------|

and PhD Thesis.

#### Industrial/Organizational Psychology

|           |        |   |
|-----------|--------|---|
| PSYC*7130 | [0.50] | Introduction to Industrial/Organizational Psychology (if not already taken)       |
| PSYC*6900 | [0.50] | Philosophy and History of Psychology as a Science                                 |
| PSYC*7070 | [0.50] | Psychological Measurement   |
| PSYC*7080 | [0.00] | Consulting in Industrial/Organizational Psychology (fall and winter 1st year PhD) |

At least 1 of the following set of 3 courses:

|           |        |   |
|-----------|--------|---|
| PSYC*7010 | [0.50] | Recruitment and Selection: Methods and Outcomes |
| PSYC*7020 | [0.50] | Employee Performance                            |
| PSYC*7160 | [0.50] | Employee Development: Methods and Outcomes      |

At least 1 of the following set of 3 courses:

|           |        |                                   |
|-----------|--------|-----------------------------------|
| PSYC*7030 | [0.50] | Work Attitudes and Behaviour      |
| PSYC*7040 | [0.50] | Social Processes in the Workplace |
| PSYC*7190 | [0.50] | Work Motivation and Leadership    |

One elective from:

|           |        |   |
|-----------|--------|---|
| PSYC*6840 | [0.50] | Program Evaluation  |
| PSYC*7140 | [0.50] | Industrial/Organizational Psychology Special Topic<br>Doctoral Research Seminar |
| PSYC*7170 | [0.50] | Industrial/Organizational Psychology Doctoral Research<br>Internship I          |
| PSYC*7180 | [0.50] | Industrial/Organizational Psychology Doctoral Research<br>Internship II         |

All students must also do a Qualifying exam and PhD thesis.

## Courses

**Restriction:** All courses are restricted to Psychology graduate students; all others are by permission only. Students from all areas of Psychology may choose from the Department Core courses. For convenience, the other graduate courses are categorized by area, but students from any area may take courses from outside their specific area with the permission of their thesis advisor and with instructor consent. In fact, in some cases, students are encouraged to take courses out of area as these courses are specified in their list of electives or required courses.

### Departmental Core Courses

#### PSYC\*6060 Research Design and Statistics U [0.50]

This course covers non-parametric and parametric hypothesis testing and estimation, analysis of variance and covariance, and multiple correlation and multiple regression. Current controversial issues are presented.

*Department(s):* Department of Psychology

#### PSYC\*6190 Research Project U [1.00]

This course is an option for students in the applied streams of MA studies who do not plan on proceeding to a PhD program. Under the supervision of a faculty member, students will design and conduct an empirical investigation in their area of emphasis.

*Department(s):* Department of Psychology

#### PSYC\*6380 Psychological Applications of Multivariate Analysis U [0.50]

This course emphasizes the use of multivariate techniques in psychological research. Both predictive (e.g., regression, canonical correlation, discriminant analysis, MANOVA) and reduction (e.g., factor analysis, multidimensional scaling, cluster analysis) techniques are considered in addition to the use of both observed and latent variable structural models.

*Department(s):* Department of Psychology

#### PSYC\*6401 Reading Course I U [0.25]

An independent in-depth study of current theoretical and empirical issues in the student's area of specialization.

*Department(s):* Department of Psychology

#### PSYC\*6402 Reading Course II U [0.50]

An independent in-depth study of current theoretical and empirical issues in the student's area of specialization.

*Department(s):* Department of Psychology

#### PSYC\*6411 Special Problems in Psychology I U [0.25]

A critical examination of current problems relating to conceptual and methodological developments in an area of psychology.

*Department(s):* Department of Psychology

#### PSYC\*6412 Special Problems in Psychology II U [0.50]

A critical examination of current problems relating to conceptual and methodological developments in an area of psychology.

*Department(s):* Department of Psychology

#### PSYC\*6471 Practicum I U [0.50]

Students will gain 2-3 days per week of supervised experience in a setting related to their field of specialization.

*Department(s):* Department of Psychology

#### PSYC\*6472 Practicum II U [1.00]

See PSYC\*6471 . Students work four to five days a week in the selected setting.

*Department(s):* Department of Psychology

#### PSYC\*6473 Practicum III U [0.25]

See PSYC\*6471. This course is intended for students who wish to gain additional practicum experience after completing the requirements for PSYC\*6471/PSYC\*6472. Students work one day a week in the selected setting.

*Department(s):* Department of Psychology

#### PSYC\*6521 Research Seminar I U [0.25]

An in-depth review of current theoretical and empirical developments in topic areas related to the student's area of specialization.

*Department(s):* Department of Psychology

#### PSYC\*6522 Research Seminar II U [0.50]

An in-depth review of current theoretical and empirical developments in topic areas related to the student's area of specialization. The course requirements may include the completion of an empirical research project.

*Department(s):* Department of Psychology

**PSYC\*6670 Research Methods U [0.50]**

This course emphasizes those techniques most frequently used in applied and field settings. These include: quasi-experimental designs, survey research, interviewing, questionnaire design, observational techniques, and other more qualitative methods.

*Department(s):* Department of Psychology

**PSYC\*6880 Ethical Issues in Psychology U [0.25]**

Relevant issues in the application of professional ethical standards to the practice of psychology, including consultation, field research, intervention, and decision-making models are discussed in this half course. Depending on the particular faculty and students involved, discussion emphasizes specific applications to either I/O or applied developmental/social psychology.

*Department(s):* Department of Psychology

**PSYC\*6890 Legislation and Professional Practice U [0.25]**

This companion course to PSYC\*6880, Ethics in Psychology, provides an introduction to the Provincial and Federal legislation governing the practice of psychology. Students will become familiar with legislation relevant to professional practice with children and adults in hospital, educational, community, and other settings.

*Co-requisite(s):* PSYC\*6880

*Department(s):* Department of Psychology

**PSYC\*6900 Philosophy and History of Psychology as a Science U [0.50]**

This doctoral course examines the philosophical and metatheoretical issues involved in the scientific analysis of human experience. Both the historical context of these issues and the status of current metatheoretical debates are covered.

*Department(s):* Department of Psychology

**PSYC\*7070 Psychological Measurement U [0.50]**

Concepts and applications of classical measurement theory, especially reliability and validity of tests and measurements used in applied psychology. Principles of test construction, standardization, norming, administration, and interpretation are discussed, as well as integration of test information and its use in decision making.

*Restriction(s):* Instructor consent required.

*Department(s):* Department of Psychology

**Neuroscience and Applied Cognitive Science****PSYC\*6740 Research Seminar in Neuroscience and Applied Cognitive Science A U [0.50]**

This course will expose graduate students to some of the major theories, issues and methodologies driving research in the broad field of Neuroscience and Applied Cognitive Science. Students will learn to critically evaluate presentations by researchers as well as to communicate the results of their own research, in both a written and oral format. All first year master's students in NACS are required to enroll in this course in both the fall and winter semesters.

*Department(s):* Department of Psychology

**PSYC\*6750 Applications of Cognitive Science U [0.50]**

This course surveys applications of cognitive science to the problem of optimizing human performance. Topics of discussion will include human-system interactions (including Human-Computer and Human-Vehicle), education, and cognitive rehabilitation.

*Department(s):* Department of Psychology

**PSYC\*6760 Research Seminar in Neuroscience and Applied Cognitive Science B U [0.00]**

This course will expose graduate students to some of the major theories, issues and methodologies driving the research broad field of Neuroscience and Applied Cognitive Science. Students will learn to critically evaluate presentations by researchers in this field as well as to communicate the results of their own research, in both a written and oral format. All second year master's and doctoral students in NACS are required to enroll in this course each fall and winter semester of their graduate program until they graduate.

*Department(s):* Department of Psychology

**PSYC\*6780 Foundations of Cognitive Science U [0.50]**

Cognitive Science is an inter-disciplinary field that encompasses cognitive psychology, neuroscience, philosophy, and computer science. The foundational issues and basic methodologies that define cognitive science will be discussed, with specific examples from perception, learning, memory, language, decision-making, and problem solving.

*Restriction(s):* Restricted to Psychology graduate students; all others by permission only

*Department(s):* Department of Psychology

**PSYC\*6790 Memory and Cognition U [0.50]**

This course reviews the major theories, issues and methodologies guiding contemporary research in human memory and related aspects of human cognition. Topics include the encoding and retrieval of information, the nature of representations in memory, classifications of memory, and applications to reading and eyewitness testimony.

*Department(s):* Department of Psychology

**PSYC\*6800 Neurobiology of Learning U [0.50]**

This course reviews the major theories, issues, and methodologies guiding contemporary research in the neurobiology of learning.

*Department(s):* Department of Psychology

**PSYC\*6810 Neuropsychology U [0.50]**

This course focuses on current developments in neuropsychology. Particular emphasis is placed on the aphasias, apraxias, memory disorders, and disorders of movement.

*Department(s):* Department of Psychology

**Applied Social Psychology****PSYC\*6270 Issues in Social Policy U [0.50]**

This doctoral course examines historical developments and selected contemporary policy domains in Canada. Topics may include policies affecting children, families, the elderly, First Nations people, the mentally and physically disabled, and one parent families. The course also addresses the interplay between social and psychological research and policy formation, as well as the use of social policy as an instrument of social change.

*Department(s):* Department of Psychology

**PSYC\*6590 Social and Community Intervention U [0.50]**

A highly applied course that focuses on the epidemiology of mental disorders, the design and implementation of preventive interventions with children, youth, and adults in the community, as well as stress and coping theory and practice.

*Department(s):* Department of Psychology

**PSYC\*6640 Foundations of Applied Social Psychology U [0.50]**

This course examines theory and research in social psychology, particularly in those areas most relevant to applied concerns. Topics may include attribution, attitudes, social relationships, language and communication, and self and identity.

*Department(s):* Department of Psychology

**PSYC\*6830 Applied Social Psychology U [0.50]**

This course reviews selected theories, methods and problem areas in applied social psychology. Issues involved in the conduct and application of social research, as well as alternative paradigms for such research, are discussed.

*Department(s):* Department of Psychology

**PSYC\*6840 Program Evaluation U [0.50]**

This course provides an introduction to a variety of methods of social program evaluation and to the process of consultation with program staff.

*Department(s):* Department of Psychology

**Clinical Psychology: Applied Developmental Emphasis****PSYC\*6000 Developmental Psychopathology: Etiology and Assessment U [0.50]**

The interaction of neurobiological, physiological, familial and social factors to an understanding of developmental psychopathology is the focus of this course. Emphasis is given to etiology and clinical assessment issues.

*Department(s):* Department of Psychology

**PSYC\*6010 Learning Disorders: Research and Clinical Practice U [0.50]**

This course examines various cognitive, social, and educational components of learning and language disorders and accompanying clinical methods of diagnosis and remediation.

*Department(s):* Department of Psychology

**PSYC\*6020 Clinical and Diagnostic Interviewing Skills S [0.50]**

This course provides practical training in clinical and diagnostic interviewing. Through role-play, direct observation, and in-vivo practice, students will learn how to conduct assessment and diagnostic interviews, and clinical dialogues with children and adults. This course is open only to graduate students in the CP:ADE field.

*Prerequisite(s):* Completion of all MA level course work except for the thesis

*Restriction(s):* Open only to graduate students in the Clinical Psychology: Applied Developmental Emphasis (CP:ADE) field

*Department(s):* Department of Psychology

**PSYC\*6270 Issues in Social Policy U [0.50]**

This doctoral course examines historical developments and selected contemporary policy domains in Canada. Topics may include policies affecting children, families, the elderly, First Nations people, the mentally and physically disabled, and one parent families. The course also addresses the interplay between social and psychological research and policy formation, as well as the use of social policy as an instrument of social change.

*Department(s):* Department of Psychology

**PSYC\*6580 Models of Child and Adolescent Psychotherapy U [0.50]**

This course introduces a variety of therapeutic models for addressing problems of atypical development.

*Department(s):* Department of Psychology

**PSYC\*6610 Advanced Child and Adolescent Psychotherapy U [0.50]**

This course will consider newly emerging developments in child and adolescent psychotherapy, as well as issues of power relationships, cultural sensitivity and empirical support. In preparation, students should endeavor to complete two therapy cases prior to the commencement of the course.

*Prerequisite(s):* PSYC\*6580 and PSYC\*7993 (may be taken concurrently).

*Restriction(s):* This course is open only to graduate students in the CP:ADE field.

*Department(s):* Department of Psychology

**PSYC\*6630 Developmental Psychology U [0.50]**

This course examines issues in the areas of cognitive, social, and emotional development. Specific research topics and theoretical issues concerning the nature of development are discussed.

*Department(s):* Department of Psychology

**PSYC\*6690 Cognitive Assessment of Children and Adolescents U [0.50]**

This course considers standards, ethics, uses and interpretation of selected intelligence and other cognitive tests. Students administer tests, score, interpret and write reports under supervision.

*Restriction(s):* This course is open only to graduate students in the CP:ADE field.

*Department(s):* Department of Psychology

**PSYC\*6700 Personality and Social Assessment of Children and Adolescents U [0.50]**

This course considers projectives, questionnaires, observations and interviews for assessing children's personality and behaviour. Students administer tests, score, interpret and write reports under supervision.

*Restriction(s):* This course is open only to graduate students in the CP:ADE field.

*Department(s):* Department of Psychology

**PSYC\*7991 CP:ADE Clinical Practicum I U [0.25]**

This CP:ADE practicum is typically undertaken at the Center for Psychological Services, one day a week over a semester, to enhance skills introduced in other clinical courses. Expectations for the course will be based on the student's current level of clinical skill. Students will work with diverse clients, and gain knowledge of ethics and jurisprudence in a clinical setting.

*Restriction(s):* Restricted to students in the CP:ADE area of specialization

*Department(s):* Department of Psychology

**PSYC\*7992 CP:ADE Clinical Practicum II U [0.50]**

This CP:ADE practicum is undertaken in a school board, psychological services department for two days a week over one semester. Students will develop clinical assessment skills with a diversity of clients, work with interdisciplinary teams, and apply knowledge of ethics and jurisprudence to educational settings. A passing grade and a satisfactory rating on the practical component must be achieved in PSYC\*6690 and PSYC\*6700 to enrol in this course.

*Prerequisite(s):* PSYC\*6010, PSYC\*6690, and PSYC\*6700

*Restriction(s):* Restricted to students in the CP:ADE area of specialization

*Department(s):* Department of Psychology

**PSYC\*7993 CP:ADE Clinical Practicum III U [1.00]**

This CP:ADE practicum is undertaken in a children's mental health setting two days a week over two semesters. Students will develop complex assessment and therapy skills with diverse clients, work with interdisciplinary team, and apply knowledge of ethics and jurisprudence to mental health settings.

*Prerequisite(s):* PSYC\*6471 or PSYC\*7992

*Restriction(s):* Restricted to students in the CP:ADE area of specialization. Instructor consent required.

*Department(s):* Department of Psychology

**PSYC\*8000 Clinical Internship U [0.00]**

A mark of satisfactory (SAT) in this course indicates that a student in the Clinical Psychology: Applied Developmental Emphasis (CP:ADE) field has successfully completed a full year (1800-2000 hour) internship in an accredited clinical setting (e.g., CPA or APA) approved by the Director of Clinical Training for CP:ADE.

*Prerequisite(s):* Completion of all course work in the CP:ADE field, the PhD qualifying examination, and the PhD Thesis proposal at the time of application, one year in advance of beginning the clinical internship.

*Department(s):* Department of Psychology

**Industrial/Organizational Psychology****PSYC\*7010 Recruitment and Selection: Methods and Outcomes U [0.50]**

The course explores organizational issues in the recruitment and selection of new employees. Topics may include: individual differences, human rights, survey-based job analysis, recruitment methods and outcomes, selection methods and outcomes, hiring, decision making and employee placement/classification.

*Department(s):* Department of Psychology

**PSYC\*7020 Employee Performance U [0.50]**

This course focuses on issues that relate to employee performance. Individuals and organizations are interested in maximizing the contributions of employees at work. This course focuses on performance-based job analysis, criterion theory, performance management/appraisal, employee socialization, compensation, benefits, technology, and labour relations.

*Department(s):* Department of Psychology

**PSYC\*7030 Work Attitudes and Behaviour U [0.50]**

This course examines micro-level influences on organizational behaviour. Topics may include: organizational commitment, job satisfaction, emotions, other work attitudes and attitude change, organizational citizenship behaviours, withdrawal behaviours, employee well-being, deviance, and work-life integration.

*Department(s):* Department of Psychology

**PSYC\*7040 Social Processes in the Workplace U [0.50]**

This course examines social processes in the workplace. Topics may include: groups, teams, and intergroup processes; justice; diversity in the workplace; prejudice and discrimination; harassment and unethical behaviour; climate, culture change; and, organizational development.

*Department(s):* Department of Psychology

**PSYC\*7050 Research Seminar in Industrial/Organizational Psychology U [0.00]**

This course will expose graduate students to some of the major theories, issues, and methodologies driving research in the field of Industrial/Organizational psychology. Students will learn to critically evaluate presentations by researchers in this field, as well as to communicate the results of their own research, in both written and an oral format. All students are required to enroll in this course.

*Restriction(s):* Psychology students only.

*Department(s):* Department of Psychology

**PSYC\*7080 Consulting in Industrial/Organizational Psychology U [0.00]**

The course introduces students to consulting in I/O Psychology through actual consulting projects with local organization. Topics include: marketing consulting services, understanding consulting, client and project management. Specific projects will vary from semester to semester based on work secured with local organizations (e.g. training, surveys, coaching).

*Prerequisite(s):* Registration in the graduate IO psychology program and permission of the Instructor.

*Department(s):* Department of Psychology

**PSYC\*7130 Introduction to Industrial/Organizational Psychology U [0.50]**

This course introduces graduate students to a broad range of topics in Industrial/Organizational psychology. It emphasizes researcher-practitioner issues, consumer behaviour, professionalism, ethics, and theory building. As well, graduate students will learn about contemporary issues in I-O Psychology.

*Department(s):* Department of Psychology

**PSYC\*7140 Industrial/Organizational Psychology Special Topic Doctoral Research Seminar U [0.50]**

Participants investigate a specific area of Industrial/Organizational psychology. They critically review past and current research, including theory development and empirical findings. Participants work together to integrate past theory and findings, to note inconsistencies in the literature, and to identify promising areas for future investigations.

*Prerequisite(s):* PSYC\*7130

*Department(s):* Department of Psychology

**PSYC\*7160 Employee Development: Methods and Outcomes U [0.50]**

This course explores development in an organization context. Employee learning and development is a key focus for employees and organizations. This course covers functional job analysis, career development, succession management, multi-source feedback, training, coaching/mentoring and employee counseling.

*Department(s):* Department of Psychology

**PSYC\*7170 Industrial/Organizational Psychology Doctoral Research Internship I U [0.50]**

Participants work with an Industrial Organizational faculty member to conduct research on a topic of mutual interest (other than their doctoral research). They collect and/or analyze data and write up results with the goal of producing a conference presentation and/or a quality publication manuscript.

*Prerequisite(s):* PSYC\*7130

*Co-requisite(s):* PSYC\*7140

*Restriction(s):* Instructor consent required.

*Department(s):* Department of Psychology

**PSYC\*7180 Industrial/Organizational Psychology Doctoral Research Internship II U [0.50]**

Participants work with an Industrial Organizational faculty member to conduct research on a topic of mutual interest (other than their doctoral research). They collect and/or analyze data and write up results with the goal of producing a conference presentation and/or a quality publication manuscript.

*Prerequisite(s):* PSYC\*7130, PSYC\*7140, PSYC\*7170

*Restriction(s):* Instructor consent required.

*Department(s):* Department of Psychology

**PSYC\*7190 Work Motivation and Leadership U [0.50]**

This course examines theories, research, and application of work motivation and leadership within an organizational context. The course will include a description of classic and contemporary theories of work motivation and leadership, a critical evaluation of the research findings, and a discussion of the application of the research findings to the work environment.

*Restriction(s):* Psychology students only.

*Department(s):* Department of Psychology