The Department of Psychology offers programs in four fields of psychology:

1. Applied Social Psychology (MA, PhD)
2. Clinical Child and Adolescent Psychology (MA, PhD)
3. Industrial/Organizational Psychology (MA, PhD)
4. Neuroscience and Applied Cognitive Science (MSc, PhD)

**1. 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:

a. the pursuit of advanced research, and
b. the design and evaluation of programs that aim to reduce social problems and promote human welfare.

**2. Clinical Child and Adolescent Psychology (MA, PhD)**

The area of Clinical Child and Adolescent Psychology 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.

**3. 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.

**4. Neuroscience and Applied Cognitive Science (MSc, PhD)**

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.

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 [https://www.uoguelph.ca/psychology/](https://www.uoguelph.ca/psychology/) for additional information.

Faculty in Psychology also participate in the interdepartmental programs in Neuroscience ([calendar.uoguelph.ca/graduate-calendar/collaborative-specializations/neuroscience/](calendar.uoguelph.ca/graduate-calendar/collaborative-specializations/neuroscience/)) and Toxicology ([calendar.uoguelph.ca/graduate-calendar/collaborative-specializations/toxicology/](calendar.uoguelph.ca/graduate-calendar/collaborative-specializations/toxicology/))

**Administrative Staff**

**Chair**
Ian Newby-Clark (4013 MCKNEXT, Ext. 53517) inewby@uoguelph.ca

**Associate Chair**
Naseem Al-Aidroos (4018 MCKNEXT Ext. 56377) naseem@uoguelph.ca (dmeegan@uoguelph.ca)

**Graduate Program Coordinator**
Mark Fenske (3020 MCKNEXT, Ext. 56411) mfenske@uoguelph.ca

**Graduate Program Assistant**
Robin Sorbara (4014 MCKNEXT, Ext. 53508) psycgpa@uoguelph.ca

**Graduate Faculty**

*This list may include Regular Graduate Faculty, Associated Graduate Faculty and/or Graduate Faculty from other universities.*

**Naseem Al-Aidroos**
B.Sc. Waterloo, MA, PhD Toronto - Associate Professor Graduate Faculty

**Heidi N. Bailey**
BA British Columbia, PhD Western - Associate Professor Graduate Faculty

**Paula Barata**
BA British Columbia, MA, PhD Windsor - Associate Professor Graduate Faculty

**Patrick Barclay**
B.Sc. Guelph, PhD McMaster - Professor Graduate Faculty

**Elena Choleris**
B.Sc., PhD Parma (Italy) - Professor Graduate Faculty
Donald Dedrick  
BA, MA Carleton, PhD Toronto - Associate Professor  
Graduate Faculty

Serge Desmarais  
BA, MA, PhD Waterloo - University Professor Emeritus  
Associated Graduate Faculty

Mark J. Fenske  
B.Sc. Lethbridge, MA, PhD Waterloo - Professor  
Graduate Faculty

Christopher Fiacconi  
B.Sc. Western, PhD McMaster - Assistant Professor  
Graduate Faculty

Benjamin Giguère  
BA McGill, MA, PhD York - Associate Professor  
Graduate Faculty

Harjinder Gill  
BA Waterloo, MA, PhD Western Ontario - Associate Professor  
Graduate Faculty

Eileen Gross  
BA NY Stonybrook, M.Sc. Adelphi - Contractually Limited Faculty, Psychology, University of Guelph  
Associated Graduate Faculty

Peter A. Hausdorf  
B.Sc. McMaster, MA Guelph, PhD McMaster - Professor  
Graduate Faculty

Karl H. Hennig  
B.Ed., MA, PhD British Columbia - Assistant Professor  
Graduate Faculty

Francesco Leri  
BA, MA, PhD McGill - Professor  
Graduate Faculty

Stephen P. Lewis  
B.Sc., PhD Dalhousie - Associate Professor  
Graduate Faculty

Margaret N. Lumley  
BA Waterloo, MA, PhD Queen's - Associate Professor  
Graduate Faculty

Harvey H.C. Marmurek  
BA Toronto, MA, PhD Ohio State - Professor  
Graduate Faculty

Kaitlyn McIachlan  
BA York, MA, PhD Simon Fraser - Assistant Professor  
Graduate Faculty

C. Meghan McMurty  
BA Laurier, PhD Dalhousie - Associate Professor  
Graduate Faculty

Daniel V. Meegan  
BA SUNY Albany, PhD McMaster - Associate Professor  
Graduate Faculty

Barbara A. Morrongiello  
BA Douglass College (Rutgers), MA, PhD Massachusetts - Professor  
Graduate Faculty

Jennifer Murray  
B.Sc. Nebraska-Kearney, MA, PhD Nebraska-Lincoln - Assistant Professor  
Graduate Faculty

Elissa Newby-Clark  
B.A.Sc. McMaster, PhD Waterloo - Contractually Limited Faculty, Psychology, University of Guelph  
Associated Graduate Faculty

Ian R. Newby-Clark  
B.Sc. Toronto, PhD Waterloo - Professor and Chair  
Graduate Faculty

Kieran O'Doherty  
B.Sc. Witwatersrand, B.H.Sc, PhD Adelaide - Professor  
Graduate Faculty

Linda A. Parker  
BA, MA California State-Long Beach, PhD Memorial - University Professor Emerita  
Associated Graduate Faculty

Deborah Powell  
BA Queen's, MA, PhD Western - Associate Professor  
Graduate Faculty

Saba F. Safdar  
BA McMaster, MA, PhD York - Professor  
Graduate Faculty

Greg Simpson  
BAH Laurier, MA, PhD American Washington - Contractually Limited Faculty, Psychology, University of Guelph  
Associated Graduate Faculty

Leanne S. M. Son Hing  
BA Queen's, MA, PhD Waterloo - Associate Professor  
Graduate Faculty

Jeffrey Spence  
BA Laurier, MA, PhD Waterloo - Associate Professor  
Graduate Faculty

David Stanley  
BA Waterloo, MA, PhD Western Ontario - Associate Professor  
Graduate Faculty

Kristel Thomassin  
BA Vanderbilt, M.Sc., PhD Georgia - Assistant Professor  
Graduate Faculty

Lana M. Trick  
B.Sc. Calgary, MA, PhD Western Ontario - Professor  
Graduate Faculty

Franco Vaccarino  
B.Sc. Toronto, MA, PhD McGill - Professor  
Graduate Faculty

Boyer D. Winters  
BA Dalhousie, PhD Cambridge - Professor  
Graduate Faculty
Psychology

Jeffery Yen
B.Sc. Witwatersrand, MA Rhodes, PhD Toronto - Associate Professor Graduate Faculty

Arlene Young
BA Guelph, M.A.Sc., PhD Waterloo - Associate Professor Graduate Faculty

MA Program
The MA program is offered in:
1. Applied Social Psychology;
2. Clinical Child and Adolescent Psychology and
3. Industrial/Organizational Psychology.

Admission Requirements
Consideration for admission to the MA program in the areas of Applied Social Psychology, Clinical Child and Adolescent Psychology, 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. To apply for admission, applicants must view "How to Apply" in the section Prospective Students... Graduate, in the Psychology Department website https://www.uoguelph.ca/psychology/. This is a self administered application.

Program Requirements

Applied Social Psychology

<table>
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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PSYC*6060</td>
<td>Research Design and Statistics ¹</td>
<td>0.50</td>
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<tr>
<td>or PSYC*6940</td>
<td>Discrete-Variable Research Design and Statistics</td>
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<tr>
<td>PSYC*6471</td>
<td>Practicum I</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*6880</td>
<td>Ethical Issues in Psychology</td>
<td>0.25</td>
</tr>
<tr>
<td>Select at least two of the following core courses:</td>
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<td></td>
</tr>
<tr>
<td>PSYC*6910</td>
<td>Critical Approaches to Applied Social Psychology</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*6920</td>
<td>Applied Social Psychology and Intervention</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*6930</td>
<td>Community, Culture and Global Citizenship</td>
<td>0.50</td>
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<td>Select at least one of the following electives:</td>
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<tr>
<td>PSYC*6380</td>
<td>Multivariate Statistics for Psychological Research</td>
<td>0.50</td>
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<td>PSYC*6521</td>
<td>Research Seminar I</td>
<td>0.25</td>
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<tr>
<td>PSYC*6670</td>
<td>Research Methods</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*6840</td>
<td>Program Evaluation</td>
<td>0.50</td>
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<tr>
<td>PSYC*6950</td>
<td>Qualitative Methods in Psychology</td>
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</tr>
<tr>
<td>PSYC*7070</td>
<td>Psychological Measurement</td>
<td>0.50</td>
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MA Thesis

1 Upon consultation with Advisor as to which is most appropriate.

Clinical Child and Adolescent Psychology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC*6000</td>
<td>Developmental Psychopathology: Etiology and Assessment</td>
<td>0.50</td>
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<tr>
<td>PSYC*6010</td>
<td>Integrated Child and Adolescent Assessment</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*6020</td>
<td>Clinical and Diagnostic Interviewing Skills</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*6060</td>
<td>Research Design and Statistics ²</td>
<td>0.50</td>
</tr>
<tr>
<td>or PSYC*6940</td>
<td>Discrete-Variable Research Design and Statistics</td>
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<td>PSYC*6630</td>
<td>Developmental Psychology</td>
<td>0.50</td>
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<tr>
<td>PSYC*6690</td>
<td>Foundations in Cognitive Assessment of Children and Adolescents</td>
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<tr>
<td>PSYC*6700</td>
<td>Personality and Social Assessment of Children and Adolescents</td>
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<tr>
<td>PSYC*6880</td>
<td>Ethical Issues in Psychology</td>
<td>0.25</td>
</tr>
<tr>
<td>PSYC*7991</td>
<td>CCAP Clinical Practicum I</td>
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<tr>
<td>PSYC*7992</td>
<td>CCAP Clinical Practicum II</td>
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MA Thesis

2 Upon consultation with Advisor as to which is most appropriate.

Industrial/Organizational Psychology

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC*6060</td>
<td>Research Design and Statistics</td>
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</tr>
<tr>
<td>PSYC*6380</td>
<td>Multivariate Statistics for Psychological Research</td>
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<tr>
<td>PSYC*6670</td>
<td>Research Methods</td>
<td>0.50</td>
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<tr>
<td>PSYC*7080</td>
<td>Consulting in Industrial/Organizational Psychology</td>
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<tr>
<td>PSYC*7130</td>
<td>Introduction to Industrial/Organizational Psychology</td>
<td>0.50</td>
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Select at least two of the following electives:

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<th>Credits</th>
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<tr>
<td>PSYC*7010</td>
<td>Recruitment and Selection: Methods and Outcomes</td>
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<tr>
<td>PSYC*7020</td>
<td>Employee Performance</td>
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<tr>
<td>PSYC*7160</td>
<td>Employee Development: Methods and Outcomes</td>
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Select at least two of the following electives:

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC*7030</td>
<td>Work Attitudes and Behaviour</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*7040</td>
<td>Social Processes in the Workplace</td>
<td>0.50</td>
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<tr>
<td>PSYC*7190</td>
<td>Work Motivation and Leadership</td>
<td>0.50</td>
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</table>

MA Thesis

MSc Program
The MSc program is offered in the field of:

Admission Requirements
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.

Program Requirements
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. 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.

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.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>PSYC<em>6060 or PSYC</em>6940</td>
<td>Research Design and Statistics ³</td>
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<tr>
<td>PSYC*6471</td>
<td>Practicum I ⁴</td>
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<tr>
<td>PSYC*6472</td>
<td>Practicum II ⁴</td>
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</tr>
<tr>
<td>PSYC*6473</td>
<td>Practicum III ⁴</td>
<td>0.25</td>
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<tr>
<td>PSYC*6740</td>
<td>Research Seminar in Neuroscience and Applied Cognitive Science A</td>
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<tr>
<td>PSYC<em>6880 or UNIV</em>6600</td>
<td>Ethical Issues in Psychology</td>
<td>0.00-0.25</td>
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<td>PSYC*6750</td>
<td>Applications of Cognitive Science</td>
<td>0.50</td>
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<tr>
<td>PSYC*6780</td>
<td>Foundations of Cognitive Science</td>
<td>0.50</td>
</tr>
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<td>PSYC*6790</td>
<td>Memory and Cognition</td>
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<tr>
<td>PSYC*6800</td>
<td>Neurobiology of Learning</td>
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<tr>
<td>PSYC*6810</td>
<td>Neuropsychology</td>
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<tr>
<td>NEUR*6000</td>
<td>Principles of Neuroscience</td>
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³ Upon consultation with Advisor as to which is most appropriate.

⁴ Upon consultation with Advisor/Practicum Coordinator as to which is most appropriate.

Select at least one of the following electives:

<table>
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<td>PSYC*6471</td>
<td>PSYC<em>6740 or PSYC</em>6940</td>
<td>Research Seminar in Neuroscience and Applied Cognitive Science A</td>
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<td>PSYC*6880</td>
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<td>PSYC*6750</td>
<td>Applications of Cognitive Science</td>
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<tr>
<td>PSYC*6780</td>
<td>Foundations of Cognitive Science</td>
<td>0.50</td>
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<tr>
<td>PSYC*6790</td>
<td>Memory and Cognition</td>
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<td>Neuropsychology</td>
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<tr>
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<td>Principles of Neuroscience</td>
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Select one of the following core courses:

<table>
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<tr>
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<tbody>
<tr>
<td>PSYC*6900</td>
<td>Philosophy and History of Psychology as a Science</td>
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<tr>
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<td>Multivariate Statistics for Psychological Research</td>
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<tr>
<td>or PSYC*6950</td>
<td>Qualitative Methods in Psychology</td>
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Select one of the following core courses:

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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC*6910</td>
<td>Critical Approaches to Applied Social Psychology</td>
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<tr>
<td>PSYC*6920</td>
<td>Applied Social Psychology and Intervention</td>
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<tr>
<td>PSYC*6930</td>
<td>Community, Culture and Global Citizenship</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC<em>6471 or PSYC</em>6472</td>
<td>Practicum I</td>
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<tr>
<td>PSYC*6522</td>
<td>Research Seminar II</td>
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</table>

One elective course ⁵

Qualifying Exam

PhD Thesis

⁵ To be determined in consultation with the student’s PhD Advisory Committee and approved by the Graduate Area Representative.

Clinical Child and Adolescent Psychology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC*6580</td>
<td>Foundations in Child and Adolescent Psychotherapy</td>
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</tr>
<tr>
<td>PSYC*6610</td>
<td>Advanced Child and Adolescent Psychotherapy</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*6840</td>
<td>Program Evaluation</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*6890</td>
<td>Legislation and Professional Practice</td>
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### Industrial/Organizational Psychology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC*6900</td>
<td>Philosophy and History of Psychology as a Science</td>
<td>0.50</td>
</tr>
<tr>
<td>PSYC*7070</td>
<td>Psychological Measurement</td>
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<tr>
<td>PSYC*7979</td>
<td>CCAP Clinical Practicum III</td>
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<tr>
<td>PSYC*7994</td>
<td>Cognitive Behaviour Therapy Practicum</td>
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<tr>
<td>PSYC*7996</td>
<td>Clinical Supervision, Consultation and Professional Development</td>
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<tr>
<td>PSYC*8000</td>
<td>Clinical Internship</td>
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Additional Requirements (see below)

**Qualifying Exam**

**PhD Thesis**

### Additional Requirements

Students who complete this accredited Doctoral program in clinical psychology are expected to have breadth of training within the larger discipline of 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 Neuropsychology

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

- PSYC*6920 Applied Social Psychology and Intervention
  or
- PSYC*6930 Community, Culture and Global Citizenship

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 Memory and Cognition

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

- PSYC*6900 Philosophy and History of Psychology as a Science

### Neuroscience and Applied Cognitive Science

<table>
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<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSYC*6760</td>
<td>Research Seminar in Neuroscience and Applied Cognitive Science B</td>
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<tr>
<td>PSYC*6880</td>
<td>Ethical Issues in Psychology or UNIV*6600 Animal Care Short Course</td>
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Select three of the following electives:

- PSYC*6472 Practicum II
- PSYC*6473 Practicum III
- PSYC*6750 Applications of Cognitive Science
- PSYC*6780 Foundations of Cognitive Science
- PSYC*6790 Memory and Cognition
- PSYC*6800 Neurobiology of Learning
- PSYC*6810 Neuropsychology
- PSYC*6900 Philosophy and History of Psychology as a Science
- NEUR*6000 Principles of Neuroscience

**Qualifying Exam**

**PhD Thesis**

Must be taken each year of the program.

For students coming from other Master's programs

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

The option of PSYC*6472 Practicum II is credited as 2 electives.

### Collaborative Specializations

Faculty in Psychology also participate in the collaborative specializations in Neuroscience (calendar.uoguelph.ca/graduate-calendar/collaborative-specializations/neuroscience/) and Toxicology (calendar.uoguelph.ca/graduate-calendar/collaborative-specializations/toxicology/).

### 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. 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.

**PSYC*6000 Developmental Psychopathology: Etiology and Assessment Unspecified [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.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6010 Integrated Child and Adolescent Assessment Winter Only [0.50]**  
This course focuses on the cognitive and academic components of comprehensive cognitive assessment. The conceptualization and clinical skills in assessing cognitive processes and their application to the assessment of neurodevelopmental disorders (e.g., Specific Learning Disorders, ADHD, ASD, FASD) will be examined. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.

**Prerequisite(s):** PSYC*6690  
**Restriction(s):** Instructor consent required.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6020 Clinical and Diagnostic Interviewing Skills Summer Only [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 Clinical Child and Adolescent Psychology (CCAP) field.

**Restriction(s):** Instructor consent required.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6060 Research Design and Statistics Unspecified [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.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6270 Issues in Social Policy Unspecified [0.50]**  
This doctoral course examines historical developments and selected contemporary policy domains in Canada. Topics may include policies affecting children, families, the elderly, Indigenous peoples, 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.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6380 Multivariate Statistics for Psychological Research Unspecified [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.

**Prerequisite(s):** PSYC*6060  
**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6401 Reading Course I Unspecified [0.25]**  
An independent in-depth study of current theoretical and empirical issues in the student’s area of specialization.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6402 Reading Course II Unspecified [0.50]**  
An independent in-depth study of current theoretical and empirical issues in the student’s area of specialization.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6411 Special Problems in Psychology I Unspecified [0.25]**  
A critical examination of current problems relating to conceptual and methodological developments in an area of psychology.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6412 Special Problems in Psychology II Unspecified [0.50]**  
A critical examination of current problems relating to conceptual and methodological developments in an area of psychology.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6471 Practicum I Unspecified [0.50]**  
Students will gain 2-3 days per week of supervised experience in a setting related to their field of specialization.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6472 Practicum II Unspecified [1.00]**  
See PSYC*6471. Students work four to five days a week in the selected setting.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph

**PSYC*6473 Practicum III Unspecified [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.

**Restriction(s):** Restricted to Psychology students.  
**Department(s):** Department of Psychology  
**Location(s):** Guelph
PSYC*6521 Research Seminar I Unspecified [0.25]
An in-depth review of current theoretical and empirical developments in topic areas related to the student's area of specialization.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6522 Research Seminar II Unspecified [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.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6580 Foundations in Child and Adolescent Psychotherapy Fall Only [0.50]
This course introduces foundations of practice in conducting psychotherapy with children and adolescents, highlighting evidence-based practice. Major models of child/adolescent psychotherapy and case conceptualization are introduced. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6581 Developmental Psychology Unspecified [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.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6610 Advanced Child and Adolescent Psychotherapy Unspecified [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. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.
Prerequisite(s): PSYC*6580 and PSYC*7994
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6620 Research Methods Unspecified [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.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6670 Research Methods in Child and Adolescents Fall Only [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. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6690 Foundations in Cognitive Assessment of Children and Adolescents Fall Only [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. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6700 Personality and Social Assessment of Children and Adolescents Unspecified [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. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6740 Research Seminar in Neuroscience and Applied Cognitive Science A Unspecified [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 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.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6750 Applications of Cognitive Science Unspecified [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.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6760 Research Seminar in Neuroscience and Applied Cognitive Science B Unspecified [0.50]
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.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph
PSYC*6780 Foundations of Cognitive Science Unspecified [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 students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6790 Memory and Cognition Unspecified [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.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6800 Neurobiology of Learning Unspecified [0.50]
This course reviews the major theories, issues, and methodologies guiding contemporary research in the neurobiology of learning.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6810 Neuropsychology Unspecified [0.50]
This course focuses on current developments in neuropsychology. Particular emphasis is placed on the aphasias, apraxias, memory disorders, and disorders of movement.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6840 Program Evaluation Unspecified [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.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6880 Ethical Issues in Psychology Unspecified [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 I/O, applied social, clinical child and adolescent psychology or neuroscience and applied cognitive science.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6890 Legislation and Professional Practice Unspecified [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.
Prerequisite(s): PSYC*6880
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6900 Philosophy and History of Psychology as a Science Unspecified [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.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6910 Critical Approaches to Applied Social Psychology Unspecified [0.50]
The purpose of this course is to introduce students to critical approaches to applied social psychology. The course will address theoretical traditions and methodologies that take as their starting point a reflexive critique and evaluation of culture, society, and its institutions.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6920 Applied Social Psychology and Intervention Unspecified [0.50]
This course will critically examine theoretical approaches and research in the field of applied social psychology with a particular focus on work aimed at generating intervention strategies intended to ameliorate social and practical problems. The course will also consider implications for social policy.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6930 Community, Culture and Global Citizenship Unspecified [0.50]
The purpose of this course is to conceptualize community and cultural psychological work in the context of global citizenship. The course will cover theory and methods for addressing such issues as community health, poverty, violence, immigration, diversity and acculturation, in an interconnected, interdependent and globalized world.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6940 Discrete-Variable Research Design and Statistics Unspecified [0.50]
This course is an in-depth examination of statistical approaches used in psychology, with an emphasis on experimental research designs with discrete independent variables (e.g., t-test, ANOVA, general linear model), and how these approaches address ongoing statistical challenges faced by psychological researchers, such as replication and generalizability.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*6950 Qualitative Methods in Psychology Unspecified [0.50]
The purpose of this course is to provide students with foundational knowledge and skills to conduct qualitative research in psychology. Approaches that will be covered may include discursive psychology, critical discourse analysis, grounded theory, thematic analysis, ethnography, and interpretive phenomenological analysis.
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph
PSYC*7010 Recruitment and Selection: Methods and Outcomes Unspecified [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.

Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7020 Employee Performance Unspecified [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.

Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7030 Work Attitudes and Behaviour Unspecified [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.

Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7040 Social Processes in the Workplace Unspecified [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.

Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7050 Research Seminar in Industrial/Organizational Psychology Unspecified [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): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7070 Psychological Measurement Unspecified [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): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7080 Consulting in Industrial/Organizational Psychology Unspecified [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).

Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7130 Introduction to Industrial/Organizational Psychology Unspecified [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.

Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7140 Industrial/Organizational Psychology Doctoral Research Seminar Unspecified [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
Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7160 Employee Development: Methods and Outcomes Unspecified [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.

Restriction(s): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7170 Industrial/Organizational Psychology Doctoral Research Internship I Unspecified [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
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph
PSYC*7180 Industrial/Organizational Psychology Doctoral Research Internship II Unspecified [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
Location(s): Guelph

PSYC*7190 Work Motivation and Leadership Unspecified [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): Restricted to Psychology students.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7991 CCAP Clinical Practicum I Unspecified [0.25]
This CCAP 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. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7992 CCAP Clinical Practicum II Unspecified [0.50]
This CCAP 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 enroll in this course. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.
Prerequisite(s): PSYC*6010, PSYC*6690, and PSYC*6700
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7993 CCAP Clinical Practicum III Unspecified [1.00]
This CCAP 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. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.
Prerequisite(s): PSYC*6471 or PSYC*7992
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7994 Cognitive Behaviour Therapy Practicum Fall and Winter [1.00]
The CBT practicum is typically undertaken at the Center for Psychological Training, and is intended to foster clinical psychology graduate student training in cognitive behaviour therapy (CBT). This practicum course will involve didactic and experiential components. Students will gain competency with the basics of CBT, gain capability with treatment manuals and undertake at least one ongoing therapy case. This course is open only to graduate students in the Clinical Child and Adolescent Psychology (CCAP) field.
Co-requisite(s): PSYC*6580
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*7996 Clinical Supervision, Consultation and Professional Development Fall Only [0.50]
This course is designed to introduce students to the theory, research, and practice of supervision and consultation in the field of clinical psychology. Students will become familiar with the professional literature relevant to supervision, gain competency with ethical, culturally-competent clinical supervision, and explore their own development as a professional in the field of psychology. This course is open to PhD students in the Clinical Child and Adolescent Psychology (CCAP) field.
Prerequisite(s): PSYC*6580, PSYC*7994
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph

PSYC*8000 Clinical Internship Unspecified [0.00]
A mark of satisfactory (SAT) in this course indicates that a student in the Clinical Child and Adolescent Psychology (CCAP) 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 CCAP.
Restriction(s): Instructor consent required.
Department(s): Department of Psychology
Location(s): Guelph