

# 2016-2017 Graduate Calendar

The information published in this Graduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2016-2017 academic years, including the Summer Semester 2016, Fall Semester 2016 and the Winter Semester 2017.

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

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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>.



# Table of Contents

<b>Neuroscience .....</b>	<b>136</b>
Administrative Staff .....	136
Graduate Faculty .....	136
Associated Graduate Faculty .....	136
MSc/MBS Collaborative Specialization .....	136
PhD Collaborative Specialization .....	136
Courses .....	137

## Neuroscience

The Neuroscience collaborative specialization provides an opportunity for MSc/MBS/PhD students engaged in research in the rapidly expanding field of neuroscience, to combine their departmental degree program with multidisciplinary exposure to the field of neuroscience. This unique combination of multidisciplinary studies provides students with the best possible foundation for academic careers in neuroscience and related areas. The collaborative specialization includes participation from core faculty in the following departments: Animal Biosciences, Biomedical Sciences, Human Health and Nutritional Sciences, Integrative Biology, Molecular and Cellular Biology, Pathobiology, Population Medicine and Psychology.

### Administrative Staff

#### Boyer Winters

Director (3005 MacKinnon, Ext. 52163)

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#### Mark Fenske

Graduate Program Coordinator (4001 MacKinnon, Ext. 56411)

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#### Robin Sorbara

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### Graduate Faculty

#### Naseem Al-Aidroos

Assistant Professor, Psychology

#### Craig D. Bailey

Assistant Professor, Biomedical Sciences

#### Andrew J. Bendall

Associate Professor, Molecular and Cellular Biology

#### Leah R. Bent

Associate Professor, Human Health and Nutritional Sciences

#### Nicholas J. Bernier

Professor, Integrative Biology

#### Elena Choleris

Professor, Psychology

#### Donald Dedrick

Associate Professor, Philosophy/Psychology

#### Mark J. Fenske

Associate Professor, Psychology

#### Chris Fiacconi

Assistant Professor, Psychology

#### George Harauz

Professor and Canada Research Chair, Molecular and Cellular Biology

#### Andreas Heyland

Assistant Professor, Integrative Biology

#### Fiona James

Assistant Professor, Clinical Studies

#### Nina Jones

Associate Professor and Canada Research Chair, Molecular and Cellular Biology

#### Bettina E. Kalisch

Associate Professor, Biomedical Sciences

#### Frederic Laberge

Assistant Professor, Integrative Biology

#### Francesco Leri

Professor, Psychology

#### Ray Lu

Associate Professor, Molecular and Cellular Biology

#### David W.L. Ma

Associate Professor, Human Health and Nutritional Sciences

#### Neil J. MacLusky

Professor, Biomedical Sciences

#### Georgia Mason

Professor and Canada Research Chair, Animal Biosciences

#### Robert L. McLaughlin

Associate Professor, Integrative Biology

#### Daniel V. Meegan

Associate Professor, Psychology

#### Amy Newman

Assistant Professor, Integrative Biology

#### Lee Niel

Assistant Professor, Population Medicine

#### Linda A. Parker

Professor and Canada Research Chair, Psychology

#### John Z. Srbley

Assistant Professor, Human Health and Nutritional Sciences

#### Lana M. Trick

Professor, Psychology

#### Patricia V. Turner

Professor, Pathobiology

#### Lori A. Vallis

Associate Professor, Human Health and Nutritional Sciences

#### Terry Van Raay

Assistant Professor, Molecular and Cellular Biology

#### Tina Widowski

Professor, Animal Biosciences

#### Boyer D. Winters

Associate Professor, Psychology

#### John L. Zettel

Assistant Professor, Human Health and Nutritional Sciences

As a practical matter, any faculty member who is approved by the Board of Graduate Studies for graduate faculty status and is a member of a participating unit within the collaborative specialization will be able to advise a master's or doctoral student.

### Associated Graduate Faculty

#### Geoffrey Power

Contractually Limited Faculty, Human Health and Nutritional Sciences

### MSc/MBS Collaborative Specialization

The MSc/MBS collaborative specialization in Neuroscience enables students engaged in neuroscience research to combine their departmental degree program with a multidisciplinary specialization in the field of neuroscience.

### Admission Requirements

MSc/MBS students in the collaborative specialization in Neuroscience must meet the admission requirements of the participating department in which they are enrolled. The application process has two stages: first, application to the primary program of interest, identifying interest in the collaborative specialization as a secondary focus. If the student is admitted to the primary program, the second stage is then admission to the collaborative specialization.

### Degree Requirements

In addition to coursework in their respective departments, students in the MSc/MBS collaborative specialization must complete NEUR\*6000 as well as registering for NEUR\*6100 each term that they are in the collaborative specialization. In NEUR\*6100, students and faculty will meet once a month to discuss issues/ hear talks/ present research in neuroscience. Note that students registered in the Collaborative Neuroscience Specialization cannot use NEUR\*6000 as an elective to satisfy the requirements of their home department program.

### PhD Collaborative Specialization

The PhD collaborative specialization in Neuroscience enables students engaged in neuroscience dissertation research to combine their departmental degree program with a multidisciplinary specialization in the field of neuroscience.

### Admission Requirements

PhD students in the collaborative specialization in Neuroscience must meet the PhD admission requirements for the participating department in which they are enrolled.

### Degree Requirements

If a student enters the PhD collaborative specialization in Neuroscience at the doctoral level, in addition, to coursework in their respective departments, students must complete NEUR\*6000, or show evidence of course equivalence in prior training. Note that students registered in the Collaborative Neuroscience Specialization cannot use NEUR\*6000 as an elective to satisfy the requirements of their home department program. Students must be engaged in neuroscience dissertation research. During each term of their program of studies, doctoral students must enroll in NEUR\*6100. The seminar will meet monthly. Students must take their qualifying exams within five semesters of entering the program, as required by University graduate policies. One member on the qualifying exam committee must be a core member of the collaborative specialization in Neuroscience outside the student's home department or a faculty member from another university approved by graduate studies. As well one member of the student's advisory committee must be a core member of the neuroscience collaborative specialization outside the student's home department or a faculty member from another university approved by graduate studies.

**Courses****NEUR\*6000 Principles of Neuroscience U [0.50]**

This course is designed to ensure that graduate students with diverse neuroscience backgrounds registered in the collaborative specialization in Neuroscience are exposed to the fundamentals in all areas of neuroscience.

*Department(s):* Department of Biomedical Sciences

**NEUR\*6100 Seminar in Neuroscience U [0.00]**

This course will expose graduate students to some of the major theories, issues and methodologies driving research in neuroscience. Students will learn to critically evaluate presentations by researchers in this field as well as to communicate the results of their own research.

*Department(s):* Department of Psychology