## 2012-2013 Graduate Calendar

The information published in this Graduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2012-2013 academic years, including the Fall Semester 2012, the Winter Semester 2013 and the Summer Semester 2013.

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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May 1, 2012	Initial Publication
August 24, 2012	Revision
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May 13, 2014	Updates for AODA Compliance



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## Disclaimer

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

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.

## **Collection, Use and Disclosure of Personal Information**

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) <a href="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</a>. 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 <a href="http://www.uoguelph.ca/registrar/index.cfm?i

## **Statistics Canada - Notification of Disclosure**

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

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**

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**

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

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

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 <a href="http://www.uoguelph.ca/policies">http://www.uoguelph.ca/policies</a>.

# **Table of Contents**

Foxicology	169
Administrative Staff	
Graduate Faculty	169
MSc Program	
PhD Program	
Courses	
Other courses	169

## Toxicology

The interdepartmental collaborative program is the focal point for graduate teaching and research in toxicology. Students wishing to undertake graduate studies at the MSc or PhD level with emphasis on toxicology will be admitted by a participating department and will register in both the participating department and in the collaborative program. The participating academic units include the Departments of Animal and Poultry Science, Biomedical Sciences, Chemistry, Human Health and Nutritional Sciences, Integrative Biology, Mathematics and Statistics, Molecular and Cellular Biology, Pathobiology, Plant Agriculture (Horticulture division) and the School of Environmental Sciences.

#### Administrative Staff

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Glen J. Van Der Kraak

Professor, Integrative Biology and Associate Dean, Research, CBS

### MSc Program

#### **Admission Requirements**

MSc students in the collaborative program in toxicology must meet the MSc admission requirements of the participating department in which they are enrolled.

## **Degree Requirements**

MSc students in the collaborative program in toxicology must complete a minimum of 1.50 graduate credits, which must include the toxicology courses TOX\*6000 and TOX\*6200 and courses required by the participating department in which they are enrolled. TOX\*6000 may be waived for students whose undergraduate degree included significant training in toxicology.

### PhD Program

#### **Admission Requirements**

PhD students in the collaborative program in toxicology must meet the PhD admission requirements of the participating department in which they are enrolled.

#### **Degree Requirements**

PhD students in the collaborative program in toxicology must meet all the academic requirements specified by the participating department in which they are enrolled. They must also complete the courses TOX\*6000 and TOX\*6200 if they, or equivalent courses, were not taken as part of an MSc program.

#### Courses

An intensive control lecture/case stud		e principles of modern aspects of toxicology, taught in a
TOX*6200 Adv	vanced Topi	ics in Toxicology W [0.50]
members, and g	uest lecturer	blogy will include oral presentations by students, faculty s. The emphasis will be on advanced concepts and techniques particular relevance to mechanistic, molecular and interpretive
Restriction(s):	Credit ma	ay be obtained for only one of TOX*6200 or TOX*4200
TOX*6590 Bio	chemical To	oxicology F [0.50]
of biotransform reactive species	ation, inclusion with DNA a	of action of carcinogens and other toxic compounds. Enzymes ding a detailed study of cytochrome P-450. Interactions of and other macromolecules. (Credit may be obtained for only (*6590) Department of Chemistry and Biochemistry
one of TOA 45		
Other cours	es	

BIOM*6440	[0.50]	Biomedical Toxicology
BIOM*6480	[0.50]	Pharmacodynamics and Pharmacokinetics
BIOM*6721	[0.25]	Special Topics in Pharmacology-Toxicology
BIOM*6722	[0.50]	Special Topics in Biomedical Pharmacology-Toxicology
CHEM*7310	[0.50]	Selected Topics in Biochemistry
CHEM*7600	[0.50]	Selected Topics in Organic Chemistry