2019-2020 Graduate Calendar

The information published in this Graduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2019-2020 academic year, including the Summer Semester 2019, Fall Semester 2019 and the Winter Semester 2020.

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:

• Universities of Canada

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Revision Information:

Date	Description
May 1, 2019	Initial Publication
June 28, 2019	Revision 1
September 2, 2019	Revision 2
December 10, 2019	Revision 3
January 28, 2020	Revision 4

Disclaimer

The Office of Graduate and Postdoctoral 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.

Introduction

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) 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 Advanced Education and Skills Development, 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

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 Registrarial Services.

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, their 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 their 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 https://www.uoguelph.ca/secretariat/office-services/university-secretariat/university-policies .

Learning Outcomes

Graduate Degree Learning Outcomes

On May 27, 2013, the University of Guelph Senate approved the following five University-wide Learning Outcomes as the basis from which to guide the development of graduate degree programs, specializations and courses:

1. Critical and Creative Thinking
2. Literacy
3. Global Understanding
4. Communication
5. Professional and Ethical Behaviour

These learning outcomes are also intended to serve as a framework through which our educational expectations are clear to students and the broader public; and to inform the process of outcomes assessment through the quality assurance process (regular reviews) of programs and departments.

An on-line guide to the learning outcomes, links to the associated skills, and detailed rubrics designed to support the development and assessment of additional program and discipline-specific outcomes, are available for reference on the Learning Outcomes website

Critical and Creative Thinking

Critical and creative thinking is a concept in which one applies logical principles, after much inquiry and analysis, to solve problems with a high degree of innovation, divergent thinking and risk taking. Those mastering this outcome show evidence of integrating knowledge and applying this knowledge across disciplinary boundaries. Depth and breadth of understanding of disciplines is essential to this outcome. At the graduate level, originality in the application of knowledge (master's) and undertaking of research (doctoral) is expected.

In addition, Critical and Creative Thinking includes, but is not limited to, the following outcomes: Independent Inquiry and Analysis; Problem Solving; Creativity; and Depth and Breadth of Understanding.

Literacy

Literacy is the ability to extract information from a variety of resources, assess the quality and validity of the material, and use it to discover new knowledge. The comfort in using quantitative literacy also exists in this definition, as does using technology effectively and developing visual literacy.

In addition, Literacy includes, but is not limited to, the following outcomes: Information Literacy, Quantitative Literacy, Technological Literacy, and Visual Literacy.

Global Understanding

Global understanding encompasses the knowledge of cultural similarities and differences, the context (historical, geographical, political and environmental) from which these arise, and how they are manifest in modern society. Global understanding is exercised as civic engagement, intercultural competence and the ability to understand an academic discipline outside of the domestic context.

In addition, Global Understanding includes, but is not limited to, the following outcomes: Global Understanding, Sense of Historical Development, Civic Knowledge and Engagement, and Intercultural Competence.

Communication

Communication is the ability to interact effectively with a variety of individuals and groups, and convey information successfully in a variety of formats including oral and written communication. Communication also comprises attentiveness and listening, as well as reading comprehension. It includes the ability to communicate and synthesize information, arguments, and analyses accurately and reliably.

In addition, Communication includes, but is not limited to, the following outcomes: Oral Communication, Written Communication, Reading Comprehension, and Integrative Communication.

Professional and Ethical Behaviour

Professional and ethical behaviour requires the ability to accomplish the tasks at hand with proficient skills in teamwork and leadership, while remembering ethical reasoning behind all decisions. The ability for organizational and time management skills is essential in bringing together all aspects of managing self and others. Academic integrity is central to mastery in this outcome. At the graduate level, intellectual independence is needed for professional and academic development and engagement.

In addition, Professional and Ethical Behaviour includes, but is not limited to, the following outcomes: Teamwork, Ethical Reasoning, Leadership, Personal Organization and Time Management, and Intellectual Independence.

Table of Contents

Revisions

On the basis of information received from the Board of Graduate Studies, colleges or departments, the 2019-2020 Graduate Calendar includes the following revisions:

> ### Note
> **Those who may have used the PDFs to download and print off these calendar sections are advised to re-print the revised sections accordingly. Please be aware sectioning, page numbering, table of contents may have changed.**

May 1, 2019

Initial publication of 2019/2020 Graduate Calendar

June 28, 2019

Chapter I - Schedule of Dates

Change to last day to drop one and two semester course

Chapter II - General Regulations

Additions to Establishment of Advisory Committee

Changes to Major Research Project or Paper (Course based Master's)

Change to transcript submission date - application for admission

Chapter IV - Degree Regulations

Change to Master's degree regulations

Chapter IX - Graduate Programs

ANSC*6240 - change to semester offering

BIOM*6400 - change to course title

Business Administration - change to admission requirements

BUS*6050 - change to course name and description

BUS*6110 - change to course description

BUS*6140 - change to course description

BUS*6150 - change to course description

BUS*6180 - change to course description

BUS*6200 - change to course description and restriction

BUS*6450 - change to course restriction

BUS*6700 - change to course description

BUS*6790 - change to course description

CIS*6560 - change to course name

CLIN*6550 - change to semester offering and description

CLIN*6560 - change to semester offering and description

Creative Writing - change to procedures and thesis components

Food, Agricultural and Resource Economics - change to program requirements

FARE*6380 - change to prerequisites

HTM*6630 - Course deletion

Landscape Architecture - addition of Research and Thesis components

PLNT*6340 - change to course restriction

Population Medicine - addition of Public Health field

POPM*6250 - change of course name and addition of restriction

Public Health - addition of advising component to MPH program

Studio Art - addition of advisory committee component, addition to Master's Examnination

Tourism and Hospitality (MSc & GDIP) - addition to admission requirements

Tourism and Hospitality (MSc & GDIP) - change to restricted electives

TRMH*6080 - Course addition

TRMH*6110 - Course addition

TRMH*6120 - Course addition

TRMH*6630 - Course addition

UNIV*6000 - Change to offering department

UNIV*6010 - Change to offering department

UNIV*6030 - Change to offering department

UNIV*6050 - Change name, description, department and restriction

UNIV*6060 - Change to offering department

UNIV*6070 - Change to offering department

UNIV*6080 - Change to offering department

UNIV*6090 - Change to offering department

UNIV*6800 - Change to offering department

September 2, 2019

Chapter I - Schedule of Dates

Change to last day to drop one and two semster course

Change to course selection date

Chapter II - General Regulations

Changes to student classification procedures and drop deadline

Change to transcript submission date

Chapter IV - Degree Regulations

Change to Master's degree regulations

Chapter IX - Graduate Programs

ANSC*6240 - change to semester offering

Artificial Intelligence - addition to program requirements

BIOM*6400 - change to course title

Business Administration - change to admission requirements

BUS*6050 - change to course name and description

BUS*6110 - change to course description

BUS*6140 - change to course description

BUS*6150 - change to course description

BUS*6180 - change to course description

BUS*6200 - change to course description and restriction

BUS*6450 - change to course restriction

BUS*6700 - change to course description

BUS*6790 - change to course description

CIS*6560 - change to course name

CLIN*6550 - change to semester offering and description

CLIN*6560 - change to semester offering and description

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UNIV*6030 - Change to offering department

UNIV*6050 - Change name, description, department and restriction

UNIV*6060 - Change to offering department

UNIV*6070 - Change to offering department

UNIV*6080 - Change to offering department

UNIV*6090 - Change to offering department

UNIV*6800 - Change to offering department

Chapter X - Collaborative Specializations

Addition of Clinical Studies department to Neuroscience collaboration

December 10, 2019

Chapter II - General Regulations

Changes to Full and Part-time classification wording

Addition of minimum grade for transfer credit

Chapter IV - Degree Regulations

DVSc Qualifying and Final Oral Examinations - update of examination committee members

Chapter IX - Graduate Programs

Animal Biosciences - addition of One Health Collaborative Specialization

Biomedical Sciences - addition of three additional fields of study

Biomedical Sciences - addition of One Health Collaborative Specialization

Computational Sciences - addition of One Health Collaborative Specialization

Computer Science - addition of One Health Collaborative Specialization

Engineering - change to the MASc and PhD Program Requirements

Engineering - addition of One Health Collaborative Specialization

Environmental Sciences - addition of One Health Collaborative Specialization

Food Science - addition of One Health Collaborative Specialization

French - deletion of program fields

Geography - addition of One Health Collaborative Specialization

History - addition of One Health Collaborative Specialization

HIST*6630 - course addition

Human Health and Nutritional Sciences - addition of One Health Collaborative Specialization

Integrative Biology - addition of One Health Collaborative Specialization

MGMT*6200 - change to course offering

Molecular and Cellular Biology - addition of One Health Collaborative Specialization

One Health - addition of Collaborative Specialization

ONEH*6000 - course addition

ONEH*6100 - course addition

ONEH*6200 - course addition

Pathobiology - addition of One Health Collaborative Specialization

Philosophy - addition of One Health Collaborative Specialization

PHYS*7510 - addition of course restriction

Political Science - addition of One Health Collaborative Specialization

Population Medicine - addition of One Health Collaborative Specialization

POPM*6800 - Course addition

POPM*6960 - Course addition

Public Issues Anthropology - addition of One Health Collaborative Specialization

Rural Planning and Development - addition of One Health Collaborative Specialization

TOX*6200 - change to course description

TOX*6590 - change to course description and addition of restrictions

Chapter X - Collaborative Specializations

One Health - addition of Collaborative Specialization

January 28, 2020

Chapter I - Schedule of Dates

Addition of the Summer 2020 schedule of dates