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

Contact Information:

University of Guelph
Guelph, Ontario, Canada
N1G 2W1
519-824-4120

Revision Information:

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<tr>
<td>May 1, 2019</td>
<td>Initial Publication</td>
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<tr>
<td>June 28, 2019</td>
<td>Revision 1</td>
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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/090101_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.
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Enrolment and Registration

Regular and Provisional Students

Each Regular or Provisional student will enroll in a program of study in the jurisdiction of one of the following academic units: (a) a single department or school, (b) an interdepartmental committee, or (c) a centre/institute offering graduate programming; i.e. either the Guelph-Waterloo Centre for Graduate Work in Chemistry and Biochemistry (GWC2) or, the Guelph Waterloo Physics Institute (GWP).

For a program, the student shall be registered with a single department/school, normally the department/school of which the advisor is a member. Students enrolled in programs under (b) or (c) above will meet the degree requirements as arranged with the department/school in which they are registered.

Special Students

Each Special student will be registered in a single department, as per the information above regarding Regular and Provisional students. The chair of that department, or the chair’s designated faculty member, shall oversee the student’s progress in the course(s) or program.

Registration Procedure

A student is considered as registered for a particular semester only when courses to be attempted for that semester have been reported to the Registrar no later than the end of the Add period (see Chapter I - Schedule of Dates) and financial arrangements, satisfactory to Student Financial Services, have been made for the associated tuition and other fees.

Students are reminded that registration must be completed by the indicated deadlines. Check the Schedule of Dates (Chapter I) for the registration (also known as course selection) deadlines. Normally, six to eight weeks prior to the beginning of each semester, students continuing from semester to semester may select courses through WebAdvisor for the upcoming semester.

Provisional or Special students in a non-degree program are not permitted to use WebAdvisor for course selection; in these cases, students continuing in a non-degree program shall submit a Graduate Student Add/Drop & Change form to Enrolment Services in the Office of the Registrar in order to activate registration for the upcoming semester. The form must be approved in the academic unit concerned before it is submitted to Enrolment Services. New students may register through WebAdvisor by mail or in person up until the last date for Add/Drop as set out in the Schedule of Dates (Chapter I).

Upon a student’s initial registration, University ID cards, which are used for student identification and for library and bus pass purposes, are produced and validated at the ID Card Centre in Enrolment Services, Office of Registrarial Services, University Centre level 3. Validation stickers will be provided each semester to registered students continuing from semester to semester. Loss or theft of a University ID card should be reported at the ID Card Centre.

Normally, the registration procedure must be completed within the dates set out in the Schedule of Dates (Chapter I). In special circumstances a student may be permitted to register up to 14 class days after the opening date with assessment of a late fee.

Financial statements are available on WebAdvisor following the course selection period for all preregistered students approximately four to six weeks prior to the beginning of each semester. Payment of account by the published deadline will complete the registration process. Late payment will result in the assessment of late fees. Failure to make appropriate payment arrangements by the end of the add period for the semester will result in the cancellation of enrolment (de-registration) for that semester. Reactivation of the term may only be approved with full payment upon approval of Student Financial Services.

Students wishing to register in any undergraduate course or course for audit must obtain the instructor's signature on the Graduate Student Add/Drop & Change form. Students registered in multi-semester courses must register in each semester in which they are actively engaged in course requirements, unless otherwise stated in the course description.

Continuity of Registration

Students are required to register each consecutive semester of study until graduation. Students must be registered in each semester in which they are actively engaged in course work or research (including any semester in which they are in contact with university faculty/staff, or are using any university facility, in relation to their academic program), even if not on campus.

Students may not register at the University of Guelph while they are registered as a student at another university unless they have received prior written permission from the Assistant Vice-President (Graduate Studies).

Once enrolled, students must complete their degree according to the schedule and time limitations as stipulated in the Program Duration policy. [See Program Duration section below.]

A student who has not completed all the requirements for the degree by the due date for thesis submission in a particular semester must register for the subsequent semester. Students must be registered in the semester in which they qualify for the degree.

Leave of Absence

Leave of Absence for Registration at Another University

University of Guelph graduate students, with prior permission from the Assistant Vice-President (Graduate Studies), may arrange a Leave of Absence (LOA) to register at another university. Students should consult the Office of Graduate and Postdoctoral Studies about the options available when planning such activities.

Leave of Absence (LOA) from Graduate Studies

A “Regular” student (see Description of Graduate Students/Category) may make arrangements in advance, subject to recommendation by the Graduate Program Committee and approval by the Admissions & Progress Committee (A&P), for an LOA from graduate studies for no more than three consecutive semesters. Requests for parental leave will be accommodated under the LOA regulations. The written approval of an LOA by A&P will include a specified adjustment to the program duration stated in the Program Duration policy (Registration/Program Duration section).

The Assistant Vice-President (Graduate Studies) may routinely approve a recommendation from the Graduate Program Committee for a student request for a one semester LOA in which there is no adjustment to the program duration contemplated.

Requests to continue an LOA beyond three consecutive semesters must be submitted to the Graduate Program Committee who shall forward their recommendation of approval to A&P.

Failure to obtain prior approval for LOA will be considered as a voluntary withdrawal from graduate studies at the University of Guelph. A formal application for readmission to the program will be required in order to resume studies, conditional on acceptance. Students who are readmitted are subject to the policies and regulations of the calendar under which they were readmitted.

Program Duration

Continuation Beyond the Program Completion Period

Graduate students who do not complete their graduate program within the prescribed Program Completion Period will be notified early in the next semester that subsequent registration will require submission of a Plan of Study. The student, in consultation with the advisory committee, will be asked to submit the Plan of Study to the Admissions & Progress Committee (A&P) via the Office of Graduate & Postdoctoral Studies (OGPS) before the end of the semester of notification. On approval of the Plan of Study by A&P, master’s students may continue up to Maximum Program Duration. Doctoral students may continue for up to three semesters, after which a second Plan of Study and progress report must be submitted to A&P to continue up to Maximum Program Duration.

If the student and the advisory committee do not submit the Plan of Study as required, the student will be withdrawn from their graduate program, and must apply to A&P for readmission. A Plan of Study will be required as part of the application for readmission.

Appeal for Extension Beyond Maximum Program Duration

Students who do not complete their graduate program by the end of Maximum Program Duration will be withdrawn from the program. Students who are withdrawn must apply for readmission.
Students who wish to appeal the requirement to withdraw and request an extension beyond Maximum Program Duration must submit an “Appeal for Extension of Maximum Program Duration” to A&P. The appeal form must be submitted before the end of the semester of Maximum Program Duration, and must include the following documentation:

- An approved Plan of Study for timely program completion, signed by the student, the faculty advisor, the Graduate Program Coordinator, and the other members of the student’s advisory committee
- An indication of the progress made since submission of the previous Plan of Study
- A recommendation from the Graduate Program Committee or Department Chair/ School Director
- A recommendation from the Associate Dean, Research & Graduate Studies of the college

Note: If the student, faculty advisor, and members of the student’s advisory committee are unable to agree on a Plan of Study for program completion, the Graduate Program Coordinator shall provide a letter commenting on the feasibility of the Plan of Study provided by the student.

Program Duration schedule for Master's, DVSc and PhD students with FT (Full-time), PT (Part-time), and DE & T (Direct entry and transfer from a master's program) status.

<table>
<thead>
<tr>
<th>Program</th>
<th>Completion Period 2</th>
<th>Plan of Study &amp; Progress Report to A&amp;P by end of the semester</th>
<th>Continue with approved Plan of Study</th>
<th>Second Plan of Study &amp; Progress Report to A&amp;P by end of semester</th>
<th>Continue with second approved Plan of Study to Maximum Program Duration</th>
<th>Maximum Program Duration. To apply for an extension submit: Appeal for Extension of MPD to A&amp;P by end of the semester</th>
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<tr>
<td>Master's-FT</td>
<td>6 (6 FT semesters)</td>
<td>7</td>
<td>8, 9</td>
<td>n/a</td>
<td>n/a</td>
<td>9</td>
</tr>
<tr>
<td>Master's-PT</td>
<td>3.6 (11 PT semesters)</td>
<td>4 (12 PT semesters)</td>
<td>4.3, 4.6 (13, 14 PT semesters)</td>
<td>n/a</td>
<td>n/a</td>
<td>4.6 (14 PT semesters)</td>
</tr>
<tr>
<td>DVSc-FT</td>
<td>9 (9 FT semesters)</td>
<td>10</td>
<td>11, 12</td>
<td>n/a</td>
<td>n/a</td>
<td>12</td>
</tr>
<tr>
<td>DVSc-PT</td>
<td>5 (15 PT semesters)</td>
<td>5.3 (16 PT semesters)</td>
<td>5.6, 6 (17, 18 PT semesters)</td>
<td>n/a</td>
<td>n/a</td>
<td>6.0 (18 PT semesters)</td>
</tr>
<tr>
<td>PhD-FT</td>
<td>12 (12 FT semesters)</td>
<td>13</td>
<td>14, 15, 16</td>
<td>16</td>
<td>17, 18</td>
<td>18</td>
</tr>
<tr>
<td>PhD-PT</td>
<td>6.6 (20 PT semesters)</td>
<td>7 (21 PT semesters)</td>
<td>7.3, 7.6, 8 (22, 23, 24 PT semesters)</td>
<td>8 (24 PT semesters)</td>
<td>8.3, 8.6 (25, 26 PT semesters)</td>
<td>8.6 (26 PT semesters)</td>
</tr>
<tr>
<td>DE&amp;T-FT</td>
<td>16 (16 FT semesters)</td>
<td>17</td>
<td>18, 19, 20</td>
<td>20</td>
<td>21, 22</td>
<td>22</td>
</tr>
<tr>
<td>DE&amp;T-PT</td>
<td>7.6 (23 PT semesters)</td>
<td>8 (24 PT semesters)</td>
<td>8.3, 8.6, 9 (25, 26, 27 PT semesters)</td>
<td>9 (27 PT semesters)</td>
<td>9.3, 9.6 (28, 29 PT semesters)</td>
<td>9.6 (29 PT semesters)</td>
</tr>
</tbody>
</table>

1. Class Level is the cumulative total of full-time and part-time (if any) semesters valued at 1 and 0.3 for each, respectively.
2. These Program Completion Periods apply to all programs, unless a specific program has received approval from the Board of Graduate Studies for a different period. Students will be advised about their Program Completion Period in their offer of admission letter.

In the event that a student fails to achieve satisfactory standing, or fails to achieve satisfactory progress either in course work or in research, the student may be “Required to Withdraw” (see sections on “Academic Standing/ Departmental Review”, “Grade Interpretation”, and “Unsatisfactory Progress”). The student’s registration will be cancelled as of a date specified by the Board of Graduate Studies. A refund of fees may be authorized depending on the date that the “Required to Withdraw” status is effective.

A student who withdraws voluntarily or is “Required to Withdraw” from the university must return all outstanding loans from the library immediately upon withdrawal, regardless of the original due date. Any items not returned will be declared lost and their cost will be charged to the student's account.

**Cancellation of Registration / Voluntary Withdrawal / Required to Withdraw**

A student who wishes to withdraw from the university should consult with the departmental Graduate Program Coordinator prior to submitting the withdrawal notice to the Office of Graduate and Postdoctoral Studies.

Within the time limits stipulated in the Schedule of Dates (Chapter I), approval of a voluntary request to withdraw may entitle the student to a refund on a prorated basis. No such refund shall be approved without the authorization of the Assistant Vice-President (Graduate Studies).