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
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Revision Information:

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<td>Initial Publication</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/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.

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.

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.

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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XIII. Administration & Faculty

Board of Governors

The Chancellor of the University
Martha Billes

Past Chancellor
David Mirvish

President and Vice-Chancellor
Franco J. Vaccarino

Chair
Kevin Golding

Vice-Chairs
Shauneen Bruder
Paul Gallagher

Members
Kevin Golding (Chair), Richard Appiah, Martha Billes, Gerrit Bos, Nancy Brown-Andison, Shauneen Bruder, Mary Deacon, Theresa Firestone, Lindsey Fletcher, Eleanor Fritz, Paul Gallagher, Paul Gibson, Bill Hogarth, Nicholas Manuel, Stuart McCook, Coral Murrant, Neil Parkinson, Prashant Pathak, Carol Poulsen, Byron Sheldrick, Deb Stark, Cameron Stotts, Irene Thompson, Franco Vaccarino, Gen Gauthier-Chalifour (University Secretary)

Administrative Officers

President and Vice-Chancellor
F. Vaccarino, B.Sc., Toronto, M.Sc., Ph.D. McGill

University Secretary
G. Gauthier-Chalifour, BA Wilfrid Laurier, MA (Leadership) Guelph

Associate University Secretary
Sarah Willey-Thomas, BA, MIPP Wilfrid Laurier

Associate University Secretary
B. Doadt, BFA Ryerson, JD Western

Assistant University Secretary and Privacy/Judicial Officer
K. Ingoldsby, BA Western, CHRP Fanshawe, CIPP/C (on leave)

Acting Assistant University Secretary and Privacy/Judicial Officer
Graham Brown, BA, MA Guelph, JD Ottawa

Provost and Vice-President Academic
Charlotte Yates, BA Winnipeg, MSc Queen’s, PhD Carleton

Provost Finance, Administration, and Risk
D. O’Leary, BBA New Brunswick

Provost External
D. Atlin, BA Western

Provost Research
M. Campbell, BSc British Columbia, PhD Guelph

Associate Provost Research Services
J. R. Livernois, BA Toronto, MA, PhD British Columbia

Provost Associate Vice-President Research Services
Bev Hale, BSc, MSc Toronto, PhD Guelph

Director, Major Gift Advancement
Amy Atkinson, BA Wilfrid Laurier

Associate Vice-President Advancement
J. Moreton, BA Guelph, MA Wilfrid Laurier

Associate Vice-President Academic
C. Dewey, DVM, MSc, PhD Guelph

Assistant Vice-President Graduate Studies

B. Bradshaw, BA Trent, PhD Guelph

Vice-Provost Student Affairs
C. Chassels, BA, BEd York, MEd, PhD Toronto

Associate Vice-President Financial Services
L. Kimball, CPA, CGA

Assistant Vice-President Faculty and Academic Staff Relations
T. Jandrisits, BA, Guelph

Interim Assistant Vice-President Diversity and Human Rights
B. Whiteside, BA, MA Guelph

Associate Vice-President Human Resources
M. Harley, HBSc Western Ontario

Director, Integrated Communications
L. Bona Hunt, BS Utah, MA (Leadership) Guelph

University Registrar
R. Darling, BA, MA Guelph

Assistant Vice-President Institutional Analysis and Planning
Karen Menard, BA Carleton, MA, PhD Waterloo

College of Arts

Dean
S. Brennan BA Dalhousie, PhD Illinois

Associate Dean, Research
A. Bailey BA, MA Oxford, PhD Calgary

Acting Associate Dean, Academic
K. Francis MMus, MA Ottawa, PhD Univ. of North Carolina at Chapel Hill

College of Biological Science

Acting Dean
G. Van Der Kraak BSc, MSc Manitoba, PhD British Columbia

Interim Associate Dean, Research and Graduate Studies
T. Gillis BSc, MSc Guelph, PhD Simon Fraser

Associate Dean, Academic
B. Husband BSc, MSc Alberta, PhD Toronto

Gordon S. Lang School of Business and Economics

Interim Dean
S. Mann BComm, MBA McMaster, PhD Toronto

Associate Dean, Research and Graduate Studies
S. Lyons BPA Windsor, MA, PhD Carleton

Associate Dean, Academic
S. Mann BComm, MBA McMaster, PhD Toronto

Assistant Dean, Executive Programs
N. O’Reilly BSc Waterloo, MBA Ottawa, PhD Carleton

College of Engineering and Physical Science

Dean
M. Wells, Professor, BEng McGill, PhD British Columbia, P.Eng

Associate Dean, Academic
K. Gordon BSc Guelph, PhD Western, P.Eng

Associate Dean, Research and Graduate Studies
L. Brown MSc, PhD Moscow State

Associate Dean, External Relations
Bill Van Heyst BASc, MASc, PhD Waterloo
Regular Graduate Faculty: Regular Graduate Faculty are tenured and tenure stream faculty at the University of Guelph. (Contractually-limited appointments are not included in this category — see Associated and Special Graduate Faculty.) In most cases, Regular Graduate Faculty are expected to hold a PhD or the most senior degree in their particular area of expertise with an appropriate level of scholarship. Exceptions to this guideline must be accompanied by justification to the Board of Graduate Studies outlining the nature and extent of the experience or other training that equips the nominee for membership of Regular Graduate Faculty. To retain active status, individuals nominated to Regular Graduate Faculty must be involved on a regular basis with aspects of graduate education including advising students (as principal advisor or as co-advisor) and examining students and teaching graduate courses. Departments, programs and schools are expected to provide support in the form of mentoring for faculty newly appointed to the University, especially individuals who do not possess previous experience advising students. As part of the commitment to mentoring, a newly appointed Faculty Member may be required to serve as co-advisor linked in the early part of their career with a more experienced Faculty Member. Such decision shall normally not extend beyond three years from the date of appointment, and shall be reviewed by the Dean in their annual meeting with the Faculty Member, and the dean shall decide, in consultation with the Faculty Member, when the Faculty Member may commence serving as principal advisor. It is expected that the performance of Regular Graduate Faculty will be assessed as an integral part of the Promotion and Tenure process. Where there are substantiated concerns in the Faculty Member’s performance of aspects of graduate education, the Faculty Member may continue to hold active Regular Graduate Faculty status; however, restriction(s) may be placed on some or all of their graduate education activities.

Associated Graduate Faculty: Associated Graduate Faculty are appointed to serve as co-advisors and may participate in all other aspects of graduate education, but they may not serve as primary advisors. Associated Graduate Faculty status is not normally for members of the tenure stream of faculty at the University of Guelph, but rather for individuals who are Professor Emeritus/Emerita, University Professor Emeritus/Emerita, or hold a senior academic degree in their particular area of expertise and have appropriate research experience. Tenure track Faculty Members who are engaged in all aspects of graduate education may hold this status if they continue to be involved in some aspect of graduate education. Associated Graduate Faculty should have experience serving on graduate student advisory committees. Departments, programs, and schools are expected to provide support for Associated Graduate Faculty that is appropriate to their particular situation, graduate student advisory experience, and role(s) in the graduate program. Appointments are for a four-year term, renewable upon application and a satisfactory performance review conducted by the program, department, or school.

Special Graduate Faculty: Special Graduate Faculty are appointed for specific tasks in support of graduate programs, such as teaching graduate courses and serving on advisory and examination committees, but they may not serve as advisor or co-advisor. The roles and responsibilities of the nominee must be defined at the time of nomination, and each revision of the roles and responsibilities must be submitted for approval by the Board of Graduate Studies. Although senior academic qualification and experience is desirable for Special Graduate Faculty, this is not essential. The term will be consistent with the nature of the appointment. With rare exception, graduate students are not permitted to serve as graduate course instructors. Graduate students are also not permitted to serve as members on either the advisory or examination committees of another graduate student. Research associates and post-doctoral fellows may not be nominated as advisory committee members for students supervised by their faculty advisor and/or supervisor. The complete Policy on Appointment to Graduate Faculty Status can be found at http://www.uoguelph.ca/policies/.

The Board Of Graduate Studies

Chair
Andrew Papadopoulos BSc Ryerson, MBA York, PhD Guelph

Members
Assistant Vice-President Graduate Studies & Program Quality Assurance
Vice-President (Research) or designate
Associate Dean of Graduate Studies
Associate Vice-President (Student Affairs) or designate
Chief Librarian or designate

Senate-appointed
A member of the graduate faculty from each college
Four graduate students (one of whom shall be the President of the Graduate Student Association)

The Office of Graduate and Postdoctoral Studies
L. Winn, Administrative Academic Assistant to the Assistant Vice-President (Graduate Studies)
Graduate Students' Association

All graduate students of the University of Guelph, including part-time students, are members of the association and are encouraged to participate in its events and activities. The purposes of the association are: to represent the graduate student body in all matters pertinent to its welfare; to act as a liaison between the graduate student body and faculty, the administration and the undergraduate student body; and to promote social and cultural activities.

The Grad Lounge is a licensed lounge facility and common area. It is located on Level 5, of the University Centre, Ext. 58117. These facilities provide a focal point for social and cultural activities of graduate students.

The GSA administers the Dental Plan and sets guidelines and policies on the Health Plan for all full-time graduate students.

The office for the Graduate Students' Association is beside the Graduate Student Lounge, University Centre, Level 5 (Room 524 U.C. North) Ext. 56685.

Elections are held in February for the following executive positions (term effective May 1 to April 30 of each year):

- President
- Vice-President Internal
- Vice-President External
- Vice-President Finance
- Vice-President Activities and Media

The governing body of the Association is the Board of Directors, consisting of the executive officers and departmental representatives. For a current listing of monthly meeting dates, please call the GSA office at Ext. 56685 or visit the GSA website: www.uoguelph.ca/~gsa. All graduate students are welcome to attend.

The Office of Vice-Provost, Student Affairs

Vice-Provost (Student Affairs)

C. Chassels BA, BEd York, MEd, PhD Toronto

Executive Assistant to the Vice-Provost (Student Affairs)

J. Westlake BA, MA Guelph

The Vice-Provost (Student Affairs) is responsible for a broad range of student engagement, wellness and success initiatives at the University of Guelph that are delivered by Student Housing Services, Student Wellness Services, the Sexual Violence Support Office, the Experiential Learning Hub, Gryphons Athletics and Recreation, Student Experience, and the Child Care and Learning Centre.

The Office of the Vice-Provost, Student Affairs is located in the University Centre, Level 4.