

# 2020-2021 Graduate Calendar

---

The information published in this Graduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2020-2021 academic year, including the Summer Semester 2020, Fall Semester 2020 and the Winter Semester 2021.

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  
520-824-4121

Revision Information:

Date	Description
May 25, 2020	Initial Publication
June 3, 2020	Revision 1

The logo of the University of Guelph, featuring the words "UNIVERSITY" and "of GUELPH" in a stylized, serif font. The "of" is smaller and positioned between the two main words.The tagline "CHANGING LIVES IMPROVING LIFE" in a bold, sans-serif font, with "CHANGING LIVES" on the top line and "IMPROVING LIFE" on the bottom line.

# Disclaimer

---

The information published in this Graduate Calendar outlines the rules, regulations, curricula, programs and fees for the 2020-2021 academic year, including the Summer Semester 2020, the Fall Semester 2020 and the Winter Semester 2021

The University reserves the right to change without notice any information contained in this calendar, including but not limited to that related to tuition and other fees, standards of admission, course delivery or format, continuation of study, and the offering or requirements for the granting of, degrees or diplomas in any or all of its programs. The publication of this calendar does not bind the University to the provision of courses, programs, schedules of study, or facilities as listed herein.

The University will not be liable for any failure or delay in performance arising out of any cause or causes beyond its reasonable control. Such causes may include but are not limited to fire, strike, lock-out, inability to procure materials or trades, war, mass-casualty event, flood, local, regional or global outbreak of disease or other public health emergency, social distancing or quarantine restriction, legislative or regulatory requirements, unusually severe weather, failure of public utility or common carrier, or attacks or other malicious act, including but not limited to attacks on or through the internet, or any internet service, telecommunications provider or hosting facility.

In March 2020 the World Health Organization declared a global pandemic of the virus leading to COVID-19. The Governments of Canada, the Province of Ontario, and local Governments responded to the pandemic with legislative amendments, controls, orders, by-laws, requests and requirements (collectively, the “Governmental Response”). It is uncertain how long the pandemic, and the related Governmental Response, will continue, and it is unknown whether there may be a resurgence of the virus leading to COVID-19 or any mutation thereof (collectively, the “Virus”) and resulting or supplementary renewed Government Response. Without limiting the foregoing paragraph, the University shall not be liable for costs associated with any failure or delay in performance arising out of:

- a. the continued spread of the Virus;
- b. the continuation of or renewed Governmental Response to control the spread of the Virus; and
- c. a University decision, made on an organization-wide basis and in good faith, to control the spread of the Virus, even if exceeding the then current specific Government Response.

In particular, the COVID-19 pandemic may necessitate a revision of the format of course offerings such that courses are offered in whole or in part on an alternate delivery model to in-person classes. Tuition and mandatory fees have been set regardless of the method of instruction and will not be refunded in the event instruction occurs remotely for any part of the academic year.

Dates or times of performance including the Schedule of Dates may be extended as appropriate and the University will notify students promptly of the existence and nature of such delay and shall, so far as practicable, use reasonable efforts to minimize and mitigate any such delay or non-performance.

In the event of a discrepancy between a print version (downloaded) and the Web version, the Web version will apply,

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](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

---

<b>Public Health .....</b>	<b>163</b>
Administrative Staff .....	163
Graduate Faculty .....	163
MPH Program .....	163
Graduate Diploma .....	163
Collaborative Specializations .....	163
DVM/MPH Combined Degree Program .....	164
Courses .....	164



## Public Health

The Master of Public Health (MPH) program is a five-semester professional degree with concentration in epidemiology, environmental public health, infectious diseases, and zoonotic, foodborne and waterborne diseases. This program is of interest to individuals holding an undergraduate degree in science or applied science seeking a career in public health. A Graduate Diploma is also offered for those individuals with public health-related experience that wish to increase their knowledge or acquire focused learning.

### Administrative Staff

#### Graduate Program Coordinator (MPH and Graduate Diploma)

Andrew Papadopoulos (212 Population Medicine Building, Ext. 53894)  
apapadop@uoguelph.ca

#### Graduate Program Coordinator (DVM/MPH)

Jane Parmely (2524 Stewart Building, Ext. 54595)  
jparmley@uoguelph.ca

#### Graduate Program Assistant

Kaite Brown (2509 Stewart Building, Ext. 54005)  
mphinfo@uoguelph.ca

### Graduate Faculty

#### Cathy Bauman

Assistant Professor, Population Medicine

#### Olaf Berke

Associate Professor, Population Medicine

#### Katie Clow

Assistant Professor, Population Medicine

#### Catherine Dewey

Professor, Population Medicine

#### Amy Greer

Associate Professor, Population Medicine

#### Claire Jardine

Associate Professor, Pathobiology

#### Andria Jones-Bitton

Associate Professor, Population Medicine

#### Scott A. McEwen

Professor, Population Medicine

#### Jennifer McWhirter

Assistant Professor, Population Medicine

#### Andrew Papadopoulos

Associate Professor, Population Medicine and Graduate Program Coordinator, Master of Public Health Program

#### Jane Parmley

Associate Professor, Population Medicine

#### David Pearl

Associate Professor, Population Medicine

#### Zvonimir Poljak

Associate Professor, Population Medicine

#### Jan Sargeant

Professor, Population Medicine

#### Anita Tucker

Assistant Professor, Population Medicine

#### Scott Weese

Professor, Pathobiology

#### Jeffery Wichtel

Professor and Dean, Ontario Veterinary College

### MPH Program

The objective of the MPH program is to prepare students for careers in public health. The curriculum is based on the core competencies for public health in Canada. Required courses will prepare students in all aspects of public health practice. Additional elective courses will provide students with the opportunity to develop added strength in specific areas, namely epidemiology, environmental public health, infectious disease, and zoonotic, foodborne, and water-borne diseases. Courses will incorporate case-based material and community-engaged exercises to provide students with the opportunity to use a variety of problem-solving and communication skills. Further information can be found at the [MPH program website](#)

### Admission Requirements

Eligible applicants include those with an honours BSc in Biomedical Sciences, Biological Sciences or Public Health, or those with a DVM, BScN or MD professional degrees (or their equivalent). Students with an honours degree without a biological or health focus will be required to complete the distance education BSc course PATH\*3610 Principles of Disease by the conclusion of the first semester of their degree program. Candidates should have earned a B+ average in their honours BSc degree or at least a B- average in a professional degree (e.g., BScN, DVM, or MD). All applicants will submit a one-page statement of interest including career goals in public health. Students will be admitted into the Fall semester. Additional information can be found on the [MPH program website](#)

### Program Requirements

The MPH program at the Ontario Veterinary College will typically consist of five consecutive semesters of full-time study. Full-time students will take three semester-length courses for four semesters (total 12 courses), the Public Health Capstone course and a 12 to 16-week practicum in a public health practice setting. Students will begin their program in September. Students can complete the program in four semesters if they choose by adding one additional elective to their course load during each of the Fall and Winter first-year and Fall second-year semesters (four courses per academic semester).

Students will complete at least six (0.50 credit) courses before they begin their practicum placement. The practicum will provide an opportunity to add function to the knowledge base achieved during the didactic portion of the program. A poster and public presentation developed from data gathered during the practicum will illustrate the cumulative experience during the Public Health Capstone course. This is a residency program as core courses and many electives are not offered through distance education. Students may enroll part-time while they continue to work in their public health or regulatory careers. Part-time students will normally take one or two courses per semester. Please note that since this is a non-thesis based degree, applicants are not required to obtain an advisor prior to applying. One will be assigned once students have been admitted into the program.

### Advising

The student's program is established and progress kept under review by the Department of Population Medicine. The day-to-day responsibility will rest with the Graduate Program Coordinator, Master of Public Health program. There will be an Advisory Committee of at least two graduate faculty members, the chair of which will be the Graduate Program Coordinator, Master of Public Health program. The Advisory Committee must be established and the Advisory Committee Appointment form submitted to the Office of Graduate and Postdoctoral Studies not later than the 20th class day of the student's second registered semester.

### Graduate Diploma

This stand-alone diploma consists of four courses, including Applied Public Health Research, and at least two required courses and one elective course. Students may request a transfer from the Graduate Diploma into the MPH and if accepted, will receive credit for the courses taken. Students interested in this option must apply to the MPH program prior to initiating graduation procedures from the Graduate Diploma.

### Admission Requirements

Eligible applicants include those with an honours BSc in Biomedical Sciences, Biological Sciences, or Public Health, or those with a DVM, BScN or MD professional degrees (or their equivalent). Students with an honours degree without a biological or health focus will be required to complete the distance education BSc course PATH\*3610 Principles of Disease by the conclusion of the first semester of their degree program. Candidates should have earned a B average in an honours degree or in a professional degree. All applicants should submit a one-page statement of interest and career goals in public health. Students will be admitted into the Fall semester. Additional information can be found on the [MPH program website](#)

### Program Requirements

The Graduate Diploma program at the Ontario Veterinary College consists of four courses, including Applied Public Health Research, at least two required courses, and one elective course. Typical duration of the Graduate Diploma program is two semesters.

### Collaborative Specializations

#### International Development Studies

The MPH program participates in the collaborative specialization in International Development Studies (IDS). Students in this option must register in the MPH program and IDS. Those faculty members whose research and teaching expertise includes aspects of international development studies may serve as advisors for MPH students. Please consult the International Development Studies listing for a detailed description of the MPH collaborative specialization and the special additional requirements for each of the participating departments.

## DVM/MPH Combined Degree Program

The DVM/MPH combined degree program enables completion of both degrees in five years rather than the six it would take to acquire them independently. This combination builds on the One Health focus in the DVM curriculum, introduces veterinary students to public health practice and associated opportunities earlier in their academic careers, and ultimately serves as a first step towards better integration of public health and veterinary training. Questions regarding this combined degree should be directed to the Graduate Program Coordinator (DVM/MPH).

POPM*6290	[0.50]	Epidemiology III
POPM*6350	[0.50]	Safety of Foods of Animal Origins
POPM*6590	[1.00]	Public Health Practicum II
POPM*6600	[0.50]	Applied Public Health Research
POPM*6800	[0.50]	Infectious Disease Modeling
POPM*6950	[0.50]	Directed Studies in Population Medicine
POPM*6960	[0.50]	Systematic Reviews and Meta-Analysis

## Admissions Requirements

Prospective DVM/MPH students must meet the admission requirements of both individual programs. Applicants must have previously applied to and currently be registered in the Doctor of Veterinary Medicine (DVM) program to be considered for the DVM/MPH.

DVM students may apply to the DVM/MPH combined degree program in their third or fourth year of the DVM program. Eligible applicants who began the DVM program prior to completing an honours BSc (in Biomedical Sciences, Biological Sciences, Public Health), BScN, or MD (or their equivalent), if admitted, will receive an offer conditional upon completion of the DVM. Candidates should have earned a B+ average in their honours BSc degree or at least a B- average in a professional degree (e.g., BScN, DVM, or MD). Additionally, applicants must complete the One Health module as part of Health Management III in Phase 3 of the DVM program. All applicants must submit a one-page statement of interest including career goals at the intersection of veterinary and public health.

Students will be admitted into the Fall semester. Additional information can be found on the [OVC website](#).

Please note that since this is a non-thesis-based degree, applicants are not required to obtain an advisor prior to applying. One will be assigned once students have been admitted into the program.

## Program Requirements

The MPH portion of the DVM/MPH combined degree program consists of 5.00 credits of work, typically completed over three consecutive semesters of full-time study. Only the required courses listed below are necessary for this combined degree. No elective courses are required.

Combined DVM/MPH students will complete the Public Health Capstone course during their first MPH semester where they will reflect and present on the how their DVM training aligns with and complements the field of public health, a One Health project the student was involved with, or on their experience during a public health-related externship.

Students will complete their practicum placement in their third semester. The Public Health Practicum will provide an opportunity to add function to the knowledge base achieved during the didactic portion of the program.

## Advising

The student's program is established and progress kept under review by the Department of Population Medicine. The day-to-day responsibility will rest with the Graduate Program Coordinator, DVM/MPH combined degree program. There will be an Advisory Committee of at least two graduate faculty members, the chair of which will be the Graduate Program Coordinator, DVM/MPH combined degree program. The Advisory Committee must be established and the Advisory Committee Appointment form submitted to the Office of Graduate and Postdoctoral Studies not later than the 20th class day of the student's second MPH semester.

## Courses

### Required Courses

PABI*6500	[0.50]	Infectious Diseases and Public Health
POPM*6200	[0.50]	Epidemiology I
POPM*6510	[0.50]	Health Promotion
POPM*6520	[0.50]	Introduction to Epidemiological and Statistical Methods
POPM*6530	[0.50]	Health Communication
POPM*6540	[0.50]	Concepts in Environmental Public Health
POPM*6550	[0.50]	Public Health Policy and Systems
POPM*6560	[1.00]	Public Health Practicum
POPM*6570	[0.00]	Public Health Capstone
POPM*6580	[0.50]	Public Health Leadership and Administration

### Electives

Four electives (or 2.0 credits) are required. Choose at least two electives from the following list. The remaining course may also be selected from this list or from those listed elsewhere in the Graduate Calendar. Students taking Public Health Practicum II (1.0 credit) are required to take only two additional 0.5 credit elective courses. The MPH program coordinator must approve all electives in advance.

EDRD*6100	[0.50]	Disaster Planning and Management
EDRD*6690	[0.50]	Program Evaluation
ONEH*6000	[0.50]	One Health Approaches to Research
ONEH*6100	[0.50]	Master's Seminar in One Health
PABI*6550	[0.50]	Epidemiology of Zoonoses
POPM*6210	[0.50]	Epidemiology II