

## 2020-2021 Undergraduate Calendar

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The information published in this Undergraduate 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.

For your convenience the Undergraduate Calendar is available in PDF format.

If you wish to link to the Undergraduate Calendar please refer to the Linking Guidelines.

The University is a full member of:

- Universities Canada

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# Disclaimer

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## University of Guelph 2020

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The information published in this Undergraduate 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,

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# Introduction

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## Collection, Use and Disclosure of Personal Information

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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/index.html>. 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 Registrar Services Departmental Policy on the Release of Student Information. For details on the use and disclosure of this information call the Office of Registrar Services at the University at (519) 824-4120 or see <http://www.uoguelph.ca/registrar/registrar/index.cfm?index>.

## Disclosure of Personal Information to the Ontario Ministry of Colleges and Universities

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The University of Guelph is required to disclose personal information such as characteristics and educational outcomes to the Minister of Colleges and Universities under s. 15 of the Ministry of Training, Colleges and Universities Act, R.S.O. 1990, Chapter M.19, as amended. The Ministry collects this data for purposes including but not limited to planning, allocating and administering public funding to colleges, universities and other post-secondary educational and training institutions.

Amendments made to the Ministry of Training, Colleges and Universities Act, authorizing the collection and use of personal information from colleges and universities by the Minister which were set out in Schedule 5 of the Childcare Modernization Act, 2014, came into force on March 31, 2015.

The amendments strengthen the ability of the Minister to directly or indirectly collect and use personal information about students as required to conduct research and analysis, including longitudinal studies, and statistical activities conducted by or on behalf of the Ministry for purposes that relate to post-secondary education and training, including,

- i. understanding the transition of students from secondary school to post-secondary education and training,
- ii. understanding student participation and progress, mobility and learning and employment outcomes,
- iii. understanding linkages among universities, colleges, secondary schools and other educational and training institutions prescribed by regulation,
- iv. understanding trends in post-secondary education or training program choices made by students,
- v. understanding sources and patterns of student financial resources, including financial assistance and supports provided by government and post-secondary educational and training institutions,
- vi. planning to enhance the affordability and accessibility of post-secondary education and training and the quality and effectiveness of the post-secondary sector,
- vii. identifying conditions or barriers that inhibit student participation, progress, completion and transition to employment or future post-secondary educational or training opportunities, and
- viii. developing key performance indicators.

Information that the University is required to provide includes but is not limited to: first, middle and last name, Ontario Educational Number, citizenship, date of birth, gender, first three digits of a student's postal code, mother tongue, degree program and major(s) in which the student is enrolled, year of study and whether the student has transferred from another institution.

Further information on the collection and use of student-level enrolment-related data can be obtained from the Ministry of Colleges and Universities website: <https://www.ontario.ca/page/ministry-colleges-universities> (English) or <https://www.ontario.ca/fr/page/ministere-des-colleges-et-universites> (French) or by writing to the Director, Postsecondary Finance and Information Management Branch, Postsecondary Education Division, 7th Floor, Mowat Block, 900 Bay Street, Toronto, ON M7A 1L2.

An update on Institutional and Ministry of Training, Colleges and Universities Act Notice of Disclosure Activities is posted at <https://www.ontario.ca/page/ministry-colleges-universities> Frequently Asked Questions related to the Ministry's enrolment and OEN data activities are also posted at: <http://www.tcu.gov.on.ca/pepg/publications/NoticeOfCollection.pdf>

### Authority to Disclose Personal Information to Statistics Canada

The Ministry of Colleges and Universities discloses student-level enrolment-related data it collects from the colleges and universities as required by Statistics Canada in accordance with Section 13 of the Federal Statistics Act. This gives the Ministry authority to disclose personal information in accordance with s. 42(1) (e) of FIPPA

## Notification of Disclosure of Personal Information to Statistics Canada

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For further information, please see the Statistics Canada's website at <http://www.statcan.ca> and Section XIV Statistics Canada.

## Address for University Communication

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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. See Section I--Statement of Students' Academic Responsibilities for more information.

### Home Address

Students are responsible for maintaining a current mailing address with the University. Address changes can be made, in writing, through Enrolment Services.

## Name Changes

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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, the student's 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

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The University undertakes to protect the privacy of each student and the confidentiality of the student's 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://uoguelph.civicweb.net/document/68892/ORSInfoReleasePolicy060610.pdf?handle=FF982F8A9AEA4076BE4F3D88147172B8>.

# Learning Outcomes

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On December 5, 2012, the University of Guelph Senate approved five University-wide Learning Outcomes as the basis from which to guide the development of undergraduate degree programs, specializations and courses:

1. Critical and Creative Thinking
2. Literacy
3. Global Understanding
4. Communicating
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](#).

## 1. Critical and Creative Thinking

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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.

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

## 2. Literacy

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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.**

## 3. Global Understanding:

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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.**

## 4. Communicating

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

## 5. Professional and Ethical Behaviour

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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.

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

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## XV. Summary of Attendance

### November 1, 2019 Resource Planning and Analysis

#### Undergraduate Programs (UG) - Full-time Enrolment by Semester Level

Program	1	2	3	4	5	6	7	8+	Total
Associate Diploma Programs	13	12	11	1	0	0	0	0	37
B.A.	1,332	150	1,061	265	886	349	646	216	4,905
B.A.Sc.	183	4	185	19	149	28	158	50	776
B.A.S.	124	10	87	11	61	20	65	26	404
B.B.R.M.	59	10	55	8	45	14	49	24	264
B.Comm.	692	74	750	116	573	268	628	189	3,290
B.Comp.	245	24	146	37	59	81	108	56	756
B.Eng.	351	24	287	70	271	231	211	92	1,537
B.L.A.	58	2	50	6	58	6	59	5	244
B.Sc.	1,328	162	1,316	233	1,023	300	863	477	5,702
B.Sc. (Agr.)	84	10	79	14	97	32	78	31	425
B.Sc. (Env.)	103	8	83	9	35	34	42	43	357
D.V.M.	120	1	118	0	123	1	118	0	481
General Studies	0	0	0	0	0	0	0	4	4
Honours Equivalency	0	0	0	0	0	0	0	14	14
Non-Degree	0	0	0	0	0	0	0	55	55
<b>UG Full-time Enrolment</b>									<b>19,251</b>

#### Undergraduate Programs (UG) - Part-time Enrolment by Semester Level

Program	1	2	3	4	5	6	7	8+	Total
Associate Diploma Programs	0	0	0	0	0	0	0	0	0
B.A.	70	54	75	93	86	191	55	146	770
B.A.Sc.	5	1	6	1	9	5	7	27	61
B.A.S.	0	3	5	3	5	2	3	14	35
B.B.R.M.	3	3	0	2	4	1	1	9	23
B.Comm.	14	18	24	28	61	37	35	103	320
B.Comp.	2	10	16	24	39	24	15	28	158
B.Eng.	4	11	10	10	5	5	24	66	135
B.L.A.	1	0	1	3	0	1	0	4	10
B.Sc.	33	24	25	21	35	59	52	171	420
B.Sc. (Agr.)	2	1	0	0	2	0	2	11	18
B.Sc. (Env.)	0	1	1	3	3	7	2	12	29
D.V.M.	0	0	0	0	0	0	0	0	0
Cert. in Applied Statistics	0	0	0	0	0	0	0	2	2
General Studies	0	0	0	0	0	0	0	13	13
Honours Equivalency	0	0	0	0	0	0	0	24	24
Non-Degree	0	0	0	0	0	0	0	100	100
<b>UG Part-time Enrolment</b>									<b>2,118</b>

#### Guelph-Humber Undergraduate Programs (UGH) - Full-time Enrolment by Semester Level

Program	1	2	3	4	5	6	7	8+	Total
BAMS	141	6	131	16	153	20	108	42	617
BASC	627	25	506	68	559	72	620	66	2,543
BBA	267	19	170	12	222	29	189	54	962
<b>UGH Full-time Enrolment</b>									<b>4,122</b>

#### Guelph-Humber Undergraduate Programs (UGH) - Part-time Enrolment by Semester Level

Program	1	2	3	4	5	6	7	8+	Total
BAAG	0	0	29	18	33	18	0	0	98
BAMS	0	0	4	3	2	3	1	8	21
BASC	10	7	11	12	257	114	66	138	615
BBA	0	5	9	12	10	8	15	37	96
Non-Degree	0	0	0	0	0	0	0	11	11
<b>UGH Part-time Enrolment</b>									<b>841</b>

## Ridgetown Campus, Full-time Enrolment by Semester Level

Program	1	2	3	4	5
Associate Diploma in Agriculture	138	3	133	21	5
Associate Diploma in Applied Equine Care and Management	28	0	21	1	5
Associate Diploma in Environmental Management	13	0	17	1	3
Associate Diploma in Horticulture	18	0	19	2	9
Associate Diploma in Veterinary Technology	38	1	36	5	8
Associate Diploma in Veterinary Technology - Alternate Program	36	0	28	2	6
<b>Ridgetown Full-time Enrolment</b>					<b>5</b>

## Ridgetown Campus, Part-time Enrolment by Semester Level

Program	1	2	3	4	5
Associate Diploma in Agriculture	0	0	0	1	1
Associate Diploma in Environmental Management	0	0	0	1	1
Associate Diploma in Horticulture	0	0		0	1
<b>Ridgetown Part-time Enrolment</b>					<b>3</b>

## Graduate Programs (GR) Enrolment

Program	Full-time	Part-time	Total
Doctor of Philosophy	892	98	990
Doctor of Veterinary Science	50	3	53
Graduate Diploma	3	5	8
Master of Applied Nutrition	23	0	23
Master of Applied Science	99	7	106
Master of Arts	360	9	369
Master of Bioinformatics	22	0	22
Master of Biomedical Sciences	25	0	25
Master of Biotechnology	28	0	28
Master of Business Administration	85	0	85
Master of Cybersecurity and Threat Intelligence	14	0	14
Master of Engineering	111	7	118
Master of Environmental Science	23	8	31
Master of Fine Arts	39	0	39
Master of Food, Agricultural and Resource Economic	5	0	5
Master of Landscape Architecture	49	2	51
Master of Planning	3	4	7
Master of Public Health	53	3	56
Master of Science	890	57	947
Master of Science Planning	55	2	57
<b>Total GR Enrolment</b>	<b>1,937</b>	<b>107</b>	<b>2,044</b>

## Total University Enrolment

Type of Enrolment	Total
DIP Full-time Enrolment (Guelph)	37
DIP Part-time Enrolment (Guelph)	0
<b>Total DIP Enrolment (Guelph)</b>	<b>37</b>
UG Full-time Enrolment	19,214
UG Part-time Enrolment	2,118
<b>Total UG Enrolment</b>	<b>21,332</b>
UGH Full-time Enrolment	4,122
UGH Part-time Enrolment	841
<b>Total UGH Enrolment</b>	<b>4,963</b>
Ridgetown Full-time Enrolment	552
Ridgetown Part-time Enrolment	3
<b>Total Ridgetown Enrolment</b>	<b>555</b>
<b>TOTAL UNDGRAD ENROLMENT</b>	<b>26,887</b>
GR Full-time Enrolment	2,829
GR Part-time Enrolment	205
<b>Total GR Enrolment</b>	<b>3,034</b>



Type of Enrolment	Total
<b>TOTAL UNIVERSITY ENROLMENT</b>	<b>29,921</b>