

# BIOL\*1050 - Biology of Plants & Animals in Managed Ecosystems

## Fall 2024 Course Outline

**Section: 01**

**Credits: 0.50**

BIOL\*1050 Biology of Managed Ecosystems

## Land Acknowledgement: Guelph

The University of Guelph resides on the ancestral lands of the Attawandaron people and the treaty lands and territory of the Mississaugas of the Credit. We recognize the significance of the Dish with One Spoon Covenant to this land and offer respect to our Anishinaabe, Haudenosaunee and Métis neighbours. Today, this gathering place is home to many First Nations, Inuit, and Métis peoples and acknowledging them reminds us of our important connection to this land where we work and learn.

## Calendar Description

In this course students will investigate the biology of plants and animals in the context of agroecosystems and other managed ecosystems. Students will learn about the form and function of plants and animals and interactions between organisms and their environments. The course strongly emphasizes participatory and self-directed learning, problem solving, reasoning and exposure to primary research literature and will address key concepts in evolution, plant and animal structure, physiology and ecology. Students lacking Grade 12 or 4U Biology should consult with their program counsellor prior to taking BIOL\*1050 in first semester.

**Department(s):** Department of Plant Agriculture, Department of Animal Biosciences

## Course Description

In this course you will investigate the biology of plants and animals in the context of agroecosystems and other managed ecosystems. You will learn about the form and function of plants and animals and interactions between organisms and their environments. The course strongly emphasizes participatory and self-directed learning, problem solving, reasoning and exposure to primary research literature and introduces the general principles necessary for more advanced courses.

## Lecture Schedule

MonWedFri 12:30pm-1:20pm in WMEM\*103 (9/5 to 12/13)

## Lab / Seminar Sections

**Laboratories:** Laboratories will be in person, (face to face) delivery. See Web Advisor for your specific laboratory section and meeting time. Labs are held every week starting September 9, 2024. You must attend the lab section in which you are registered. You cannot switch lab sections once labs have begun and you cannot temporarily switch sections in a week. In order to synchronize lectures and laboratories, certain laboratories will be cancelled or will be asynchronous activities. See the Semester at a Glance file posted in the content section on CourseLink.

Day	Time	Location	Sections
Wed	2:30-4:20 pm	CRSC116	0101
Fri	2:30-4:20 pm	CRSC116	0102
Mon	2:30-4:20 pm	CRSC116	0103
Mon	8:30-10:20 am	CRSC116	0104
Fri	8:30-10:20 am	CRSC116	0105
Wed	8:30-10:20 am	CRSC116	0106
Thu	3:30-5:20 pm	CRSC116	0107
Mon	7:00-8:50 pm	CRSC116	0108
Wed	7:00-8:50 pm	CRSC116	0109
Tue	7:00-8:50 pm	CRSC116	0110

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## Instructor Information

**Melanie Kalischuk**

Email: biol1050@uoguelph.ca

**Andrew Robinson**

Email: biol1050@uoguelph.ca

**Michael Gebre**

Email: biol1050@uoguelph.ca

**Christine Baes**

Email: biol1050@uoguelph.ca

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## Communicating with your Instructor

**Announcements:** The instructors will use **Announcements** on the Course Home page to provide you with course reminders and updates. Please check this section frequently for course updates from your instructors.

**Ask Your Instructor Discussion:** Use this discussion forum to ask questions of your instructors about content or course-related issues with which you are unfamiliar. If you encounter difficulties, the instructors are here to help you. Please post general course-related questions to the discussion forum so that all students have an opportunity to review the response. To access this discussion forum, select **Discussions** from the **Tools** dropdown menu.

**Email:** If you have a conflict that prevents you from completing course requirements, or have a question concerning a personal matter, you can send **biol1050@uoguelph.ca** a private message by email. The instructors will attempt to respond to your email within 24 hours. (use email: **biol1050@uoguelph.ca**). They may ask you to fill out the academic consideration form and submit that to the course email.

**Video Call:** If you have a complex question you would like to discuss with your instructor or TA, you may book a video meeting on Zoom (or alternate platform being used by your instructor). Video meetings depend on the availability and are booked on a first come first served basis.

### Netiquette Expectations

The course website is considered the classroom and the same protections, expectations, guidelines, and regulations used in face-to-face settings apply. Inappropriate behavior will not be tolerated. Examples of inappropriate online behavior include:

- Posting inflammatory messages about your instructor or fellow students;
- Using offensive language;
- Copying or presenting someone else's work as your own;
- Adapting information from the Internet without using proper citations or references;
- Buying or selling term papers or assignments;
- Posting or selling course materials to course notes websites;
- Having someone else complete your quiz or completing a quiz for/with another student;
- Stating false claims about lost quiz answers or other assignment submissions;
- Threatening or harassing a student or instructor;
- Discriminating against fellow students, instructors, and/or TAs;
- Using the course website to promote profit-driven products or services;
- Attempting to compromise the security or functionality of the learning management system; and,
- Sharing your username and password.

## Textbooks

Group	Title	Author	ISBN
Required	Campbell Biology, 4th Canadian Edition	Urry LA, Cain ML, Wasserman SA, Minorsky PV, Reece JB, et al.	978-0-13-7335039
Required	Biol 1050 Lab Manual		(found in CourseLink)

## Learning Resources

### Course Email

[biol1050@uoguelph.ca](mailto:biol1050@uoguelph.ca)

Note: This is the email address you must use for all email communication related to this course; do not use an instructor's personal email address. Emails are only accepted from your uoguelph.ca account.

Queries that can be readily answered by information that has been posted on the CourseLink course website will NOT be answered.

All Correspondence should:

- Include a subject line of the nature of the email
- Include your name, ID and section you are enrolled
- Spell out all abbreviations (do not use acronyms)
- Be brief and to the point

**Note that it may take at least one working day to respond to an email query.**

### Required Resources

**CourseLink:** All information relating to the course will be posted on CourseLink. This will include lecture notes, assigned and suggested readings, description of the major project and rubric guidelines. Access to CourseLink (powered by DL's Brightspace), the University of Guelph's online learning management system (LMS) is required.

You are responsible for ensuring that your computer system meets the necessary system requirements. Use the browser check tool to ensure your browser settings are compatible and up to date. If you need assistance with software tools or the CourseLink website, contact CourseLink Support.

Email: [courselink@uoguelph.ca](mailto:courselink@uoguelph.ca)

<https://opened.uoguelph.ca/student-resources/system-and-software-requirements> (<https://opened.uoguelph.ca/student-resources/system-and-software-requirements/>)

<https://courselink.uoguelph.ca/d2l/systemCheck> (<https://courselink.uoguelph.ca/d2l/systemCheck/>)

**Academic Integrity Quiz:** In order to access the materials posted on the BIOL\*1050 CourseLink site, students must pass an on-line quiz for BIOL\*1050 regarding Academic Integrity. This quiz is available on the BIOL\*1050 CourseLink homepage; select the Quizzes tab located on the upper ribbon. A link is also provided to the University's web tutorial on Academic Integrity found here, <https://guides.lib.uoguelph.ca/academicintegrity> (<https://guides.lib.uoguelph.ca/academicintegrity/>) Until successful completion of the BIOL\*1050 quiz only the course outline and first lab outline will be visible to registered students.

If you have difficulties accessing information, tutorials, posted grades etc., email [biol1050@uoguelph.ca](mailto:biol1050@uoguelph.ca).

Note that if you are in arrears regarding tuition fees, access to the CourseLink website will be unavailable until you have settled matters with the Registrar's Office.

### Course Resources

**Library Access:** As a student, you have access to the University of Guelph's library collection, including both physical and electronic materials. For information on checking out or couriering physical library items, accessing electronic journals and returning items to the library, visit the library's website. <https://www.lib.uoguelph.ca/>

If you are studying off campus and would like to access the library's electronic resources, use the Off Campus Login and login using your Single Sign On credentials or using your last name and library barcode. <https://www.lib.uoguelph.ca/> or <https://www.lib.uoguelph.ca/my-account/>

### Campus Resources

If you are concerned about any aspect of your academic program: Make an appointment with a Program Counsellor (<https://www.uoguelph.ca/uaic/programcounsellors/>) in your degree program. If you are struggling to succeed academically: There are numerous academic resources offered by the Learning Commons (<https://www.lib.uoguelph.ca/using-library/spaces/learning-commons/>) including, Supported Learning Groups for a variety of courses, workshops related to time management, taking multiple choice exams, and general study skills.

## Required Resources

### System and Software Requirements (Software)

This course will use a variety of technologies including;

- CourseLink (main classroom)
- Zoom (mostly for recording lectures)
- The course may use Respondus Lockdown Browser without the monitoring function.

To help ensure you have the best learning experience possible, please review the list of system and software requirements.

<https://opened.uoguelph.ca/student-resources/system-and-software-requirements>

### CourseLink System Requirement (Software)

You are responsible for ensuring that your computer system meets the necessary system requirements. Consult the links below to ensure your browser settings are compatible and up to date. (Results will be displayed in a new browser window for the second link).

<https://opened.uoguelph.ca/student-resources/system-and-software-requirements>

<https://courselink.uoguelph.ca/d2l/systemCheck>

**In order to access the materials posted on the BIOL\*1050 CourseLink site, students must pass an on-line quiz for BIOL\*1050 regarding Academic Integrity.** This quiz is available on the BIOL\*1050 CourseLink homepage; select the Quizzes tab located on the upper ribbon. A link, <https://guides.lib.uoguelph.ca/academicintegrity> (<https://guides.lib.uoguelph.ca/academicintegrity/>) is also provided to the University's web tutorial on Academic Integrity. Until successful completion of the BIOL\*1050 quiz only the course outline and first lab outline will be visible to registered students.

If you have difficulties accessing information, tutorials, posted grades etc., email [biol1050@uoguelph.ca](mailto:biol1050@uoguelph.ca). Note that if you are in arrears regarding tuition fees, access to the CourseLink website will be unavailable until you have settled matters with the Registrar's Office.

**Course Technologies - CourseLink (Software)** This course is being offered using CourseLink (powered by D2L's Brightspace), the University of Guelph's online learning management system (LMS). By using this service, you agree to comply with the University of Guelph's Access and Privacy Guidelines. Please visit the D2L website to review the Brightspace privacy statement and Brightspace Learning Environment web accessibility standards.

<https://www.d2l.com/legal/privacy/>

<https://www.d2l.com/accessibility/standards/>

### Technical Support

If you need any assistance with the software tools or the CourseLink website, contact CourseLink Support.

Email: [courselink@uoguelph.ca](mailto:courselink@uoguelph.ca)

Tel: 519-824-4120 ext. 56939 Toll-Free (CAN/USA): 1-866-275-1478

### Support Hours (Eastern Time):

Monday thru Friday: 8:30 am–8:30 pm

Saturday: 10:00 am–4:00 pm

Sunday: 12:00 pm–6:00 pm

**Zoom (Software)**

Although lectures in the course are in person, (face to face). this course will use Zoom for the recording of the in-person lectures. Zoom may also be used in the laboratories as needed. Check your system requirements to ensure you will be able to participate.

<https://opened.uoguelph.ca/student-resources/system-and-software-requirements>

**Technical Skills (Other)**

As part of your learning experience, you are expected to use a variety of technologies for assignments, lectures, teamwork, and meetings. In order to be successful in this course you will need to have the following technical skills:

- Manage files and folders on your computer (e.g., save, name, copy, backup, rename, delete, and check properties);
- Install software, security, and virus protection;
- Use office applications (e.g., Word, PowerPoint, Excel, or similar) to create documents;
- Be comfortable uploading and downloading saved files;
- Communicate using email (e.g., create, receive, reply, print, send, download, and open attachments);
- Navigate the CourseLink learning environment and use the essential tools, such as Dropbox, Quizzes, Discussions, and Grades (the instructions for this are given in your course);
- Access, navigate, and search the Internet using a web browser (e.g., Firefox, Internet Explorer); and
- Perform online research using various search engines (e.g., Google) and library databases.

Contact your course coordinator or lab coordinator if you need support with any of the above.

**Campbell Biology, Fourth Canadian Edition (e-Textbook)**

The textbook is available in an e-book format at the bookstore. A few copies of the physical textbook will be available in the library on a two hour in-library loan basis. The Semester at a Glance file on CourseLink includes the relevant chapter readings for the lecture series.

**Biol 1050 Lab Manual (Lab Manual)**

The virtual lab manual is available on CourseLink and may be edited and updated throughout the semester.

**Respondus LockDown Browser (Software)**

This course **may** use Respondus LockDown Browser for one or more exams. Check your system requirements to ensure you will be able to participate. The monitoring function of this software will not be used.

<https://opened.uoguelph.ca/student-resources/system-and-software-requirements>

**Turnitin Software**

When lab reports are submitted to the drop box, **Turnitin** will be used to check for the originality of assignments among other submitted assignments, published works, Ai generated material and information from the internet.

**Additional Resources****Lectures (Other)**

Lecture information will be posted in the Contents section on CourseLink. These materials may include PDFs, videos, podcasts etc. Podcasts and the other material are provided for the convenience of students officially registered in the course and may not be reproduced, or transmitted to others, without the express written consent of the instructor.

**Citation Format for Reports (Other)**

The required format for citing references in reports is The Council of Science Editors, (CSE) Name-year style. A document outlining the style required for BIOL\*1050 has been posted in CourseLink under Contents. Do not rely on other guides to the CSE name-year format you may find posted on the Library or other websites.

### Mastering Biology (Textbook - Not Mandatory)

Mastering Biology provides on-line access to all learning resources for the current edition of Campbell Biology. It is available in e-book format. A subscription to Mastering Biology is **NOT** required but may aid in the learning experience.

## Library Course Reserve (Ares)

For this course, you will be required to access course reserve materials through the University of Guelph McLaughlin Library. To access these items, select **Ares** on the navbar in CourseLink. Note that you will need your Central Login ID and password in order to access items on reserve.

For further instructions on accessing reserve resources, visit How to Get Course Reserve Materials (<https://www.lib.uoguelph.ca/find/course-reserves-ares/>).

If at any point during the course you have difficulty accessing reserve materials, please contact the e-Learning Operations and Reserve Services staff at:

Tel: 519-824-4120 ext. 53621 | Email: [libres2@uoguelph.ca](mailto:libres2@uoguelph.ca) | Location: McLaughlin Library, First Floor, University of Guelph

## Course Learning Outcomes

1. Understand and identify variables related to biological processes
2. Apply statistical methods to assess and interpret observed biological processes
3. Form and test hypotheses
4. Search peer-reviewed literature to expand their knowledge of biological processes

## Course Level Learning Outcomes

The course BIOL\*1050 is designed to emphasize the following categories of learning outcomes:

- Literacy
- Communication
- Professional and Ethical Behaviour
- Critical and Creative Thinking

Specific learning outcomes:

After successfully completing the course students will be able to define and describe the terms and processes involved in the above listed topics of animal and plant biology. The labs will enhance your understanding of the lecture material and explore other aspects of animal and plant biology.

## Teaching and Learning Activities

### Topics and Organization

Topics and Organization The course is divided into four, three-week modules; lecture outlines will be posted on CourseLink, not necessarily before they have been presented.

Plant (re)Production Lecturer: Dr. Melanie Kalischuk

- Sexual reproduction of plants
- Seed structure and function
- Vegetative reproduction of plants
- Climate change effects on plants
- Plant-animal interactions: pollinators and organisms involved in colony collapse disorder

Nutrient/Energy Flow in Animals Lecturer: Dr. Andy Robinson

- Chemistry of nutrition - minerals, vitamins, macromolecules
- Nutrition at the cellular level - glycolysis, cellular respiration

- Nutrition at the organismal level - mammalian digestive anatomy and physiology
- Plant-animal interactions: adaptation to herbivory, co-evolution of plants and animals

Energy Flow in Plants Lecturer: Dr. Michael Gebre

- Harvesting photons: C3/C4/CAM photosynthesis
- Photoreceptors, light responses, circadian rhythms, plant-plant interactions
- Carbon and nitrogen acquisition, transport, and storage
- Secondary metabolites, synergistic and antagonistic associations

Animal Structure and Functioning Lecturer: Dr. Christine Baes

- Origin, evolution and domestication of animals
- Basic principles of animal form and function
- Breeding and biotechnology
- The animal and its environment

## Assessment Breakdown

Description	Weighting (%)	
Midterm Exam 1	12%	
Midterm Exam 2	13%	
Weekly Lab Assignments	40%	
Final Exam	35%	
<b>TOTAL</b>	<b>100 %</b>	

## Assessment Details

### Midterm Exam 1 (12%)

Date: Fri, Sep 27, 12:30 PM - 1:20 PM. Remotely online. First Module. Multiple choice format. Midterm can be found in "quizzes" section on Courselink.

### Midterm Exam 2: (13%)

Date: Mon, Oct 21, 12:30 PM - 1:20 PM. Remotely online. Second Module. Multiple choice format. Midterm can be found in "quizzes" section on Courselink.

### Weekly Lab Assignments (40%)

Some assignments are due at the end of the laboratory period; some are to be submitted electronically in Portable Document Format (PDF) via the CourseLink DropBox. The CSE name-year citation format is required for all reports—see Citation Format on Course Link. See the Semester at a Glance file on CourseLink for lab assignments & their weighting, and the specific laboratory assignment for details.

### Final Exam (35%)

Date: December 9th, 2024 at 2:30 pm. Duration is 2 hours. (Location TBD)

Multiple choice format. For the midterm and final exams, students will be fully responsible for material from the reading and homework assignments, as well as the information presented in lecture, labs, and the online lecture materials posted on the CourseLink course website. The final exam is a comprehensive exam with emphasis on modules 3 and 4 and will be written in-person at a location to be determined.

## Final Exam

Date: Dec 9

Time: Mon 2:30pm-4:30pm

Location: TBA *Please see Web Advisor closer to the date of scheduled final for location.*

To understand rules and regulations regarding Examinations students are encouraged to read Student's Responsibilities (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/examinations/>)



If the student is unable to meet the final exam requirements due to medical, psychological or compassionate circumstances they are encouraged to review Student's Responsibilities in the Academic Consideration, Appeals and Petitions (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/academic-consideration-appeals-petitions/>) section of the Academic Calendar.

## Grading Policies

**Tracking Marks:** We will use CourseLink to collate marks throughout the semester. It is your responsibility to review these grades and report any discrepancies. Keep paper and/or other reliable back-up copies of all in- and out-of-class assignments: You may be asked to resubmit work at any time.

**Assignment of grades** at the University of Guelph is outlined in the Undergraduate Calendar. The definitions for each of the numeric grade ranges are as follows:

### 80-100 (A) Excellent.

An outstanding performance in which the student demonstrates a superior grasp of the subject matter, and an ability to go beyond the given material in a critical and constructive manner. The student demonstrates a high degree of creative and/or logical thinking, a superior ability to organize, to analyze, and to integrate ideas, and a thorough familiarity with the appropriate literature and techniques.

### 70 - 79 (B) Good.

A more than adequate performance in which the student demonstrates a thorough grasp of the subject matter, and an ability to organize and examine the material in a critical and constructive manner. The student demonstrates a good understanding of the relevant issues and a familiarity with the appropriate literature and techniques.

### 60 - 69 (C) Acceptable.

An adequate performance in which the student demonstrates a generally adequate grasp of the subject matter and a moderate ability to examine the material in a critical and constructive manner. The student displays an adequate understanding of the relevant issues, and a general familiarity with the appropriate literature and techniques.

### 50 - 59 (D) Minimally Acceptable.

A barely adequate performance in which the student demonstrates a familiarity with the subject matter, but whose attempts to examine the material in a critical and constructive manner are only partially successful. The student displays some understanding of the relevant issues, and some familiarity with the appropriate literature and techniques.

### 0 - 49 (F) Fail.

An inadequate performance.

## Last Day to Drop Course

The final day to drop Fall 2024 courses without academic penalty is the last day of classes: November 29

After this date, a mark will be recorded, whether course work is completed or not (a zero is assigned for missed tests/assignments). This mark will show on the student's transcript and will be calculated into their average.

## Exams and Assignment Submissions

### Submission of Assignments

We do not provide makeup labs or exams. Unless academic consideration has been granted, missed assignments, presentations, and exams will receive a grade of zero (0).

**In-Laboratory Submissions:** Some laboratory assignments are due at the end of the laboratory period. Make sure you hand in your assignment at the end of the virtual session. Late submission of assignments will **NOT** be accepted; such assignments will receive a grade of zero (0).

**CourseLink DropBox Submissions:** Certain laboratory assignments are required to be submitted electronically in portable document format (PDF) via the CourseLink DropBox. Other assignments may be other types of media files. If your report is not uploaded to CourseLink in the required format prior the due date/time you will receive a grade of 0.

**Due Dates:** Reports are due prior to 11:00 pm of the day they are due. At 11:00 pm the DropBox will no longer accept reports and any file uploads in progress at that time will also fail. If you miss the deadline, do not bother emailing the report—it will not be accepted. We strongly advise that you



upload the report during business hours on the due date so you have time to: Upload the file; and Confirm that it was the correct file you wanted to submit for grading.

**Format:** Reports uploaded to the CourseLink DropBox must be in a portable document format (PDF). If you upload a file in a format other than this, your assignment will be considered “not submitted” and you will receive a grade of 0. The CSE name-year citation format is required for all reports.

## Grades and Feedback

Unofficial assessment marks will be available in the **Grades** tool of the course website.

Your instructors will attempt to have most grades posted online within 2 weeks of the submission deadline. Once your assignments are marked you can view your grades on the course website by selecting **Grades** from the **Tools** dropdown menu on the navbar. Your course will remain open to you for seven days following the last day of the final exam period.

Lab reports may take longer to grade.

University of Guelph students can access their final grade by logging into WebAdvisor (using your U of G central ID). <https://webadvisor.uoguelph.ca>.

## Standard Statements for Undergraduate Courses

### Academic Integrity

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

The Academic Misconduct Policy (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/academic-misconduct/>) is outlined in the Undergraduate Calendar.

### Accessibility

The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student.

When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required; however, interim accommodations may be possible while that process is underway.

Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability. Use of the SAS Exam Centre requires students to make a booking at least 10 days in advance, and no later than the first business day in November, March or July as appropriate for the semester. Similarly, new or changed accommodations for online quizzes, tests and exams must be approved at least a week ahead of time. For students at the Guelph campus, information can be found on the SAS website. (<https://www.uoguelph.ca/sas/>)

### Accommodation of Religious Obligations

If you are unable to meet an in-course requirement due to religious obligations, please email the course instructor within two weeks of the start of the semester to make alternate arrangements.

See the Academic calendar for information on regulations and procedures for Academic Accommodations of Religious Obligations (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/academic-accommodation-religious-obligations/>).

### Copies of Out-of-class Assignments

Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

## Drop Date

Students will have until the last day of classes to drop courses without academic penalty. The deadline to drop two-semester courses will be the last day of classes in the second semester. This applies to all undergraduate students except for Doctor of Veterinary Medicine and Associate Diploma in Veterinary Technology (conventional and alternative delivery) students. The regulations and procedures for course registration are available in the Undergraduate Calendar - Dropping Courses (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/dropping-courses/>).

## Email Communication

As per university regulations, all students are required to check their <uoguelph.ca> e-mail account regularly: e-mail is the official route of communication between the University and its students.

## Health and Wellbeing

The University of Guelph provides a wide range of health and wellbeing services at the Vaccarino Centre for Student Wellness (<https://wellness.uoguelph.ca/>). If you are concerned about your mental health and not sure where to start, connect with a Student Wellness Navigator (<https://wellness.uoguelph.ca/navigators/>) who can help develop a plan to manage and support your mental health or check out our mental wellbeing resources (<https://wellness.uoguelph.ca/shine-this-year/>). The Student Wellness team are here to help and welcome the opportunity to connect with you.

## Illness

Medical notes will not normally be required for singular instances of academic consideration, although students may be required to provide supporting documentation for multiple missed assessments or when involving a large part of a course (e.g., final exam or major assignment).

## Recording of Materials

Presentations that are made in relation to course work—including lectures—cannot be recorded or copied without the permission of the presenter, whether the instructor, a student, or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

## Resources

The Academic Calendars (<http://www.uoguelph.ca/registrar/calendars/?index>) are the source of information about the University of Guelph's procedures, policies and regulations which apply to undergraduate, graduate and diploma programs.

## When You Cannot Meet a Course Requirement

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id#, and e-mail contact. See the Undergraduate Calendar for information on regulations and procedures for Academic Consideration. (<https://calendar.uoguelph.ca/undergraduate-calendar/undergraduate-degree-regulations-procedures/academic-consideration-appeals-petitions/>)