



BIOL*4350 Limnology of Natural and Polluted Waters

Fall 2022

Section(s): 01

Department of Integrative Biology

Credit Weight: 0.50

Version 2.00 - September 07, 2022

1 Course Details

1.1 Calendar Description

This course will familiarize students with the characteristics and methods of study of the limnology of natural and polluted aquatic ecosystems. The laboratory includes methods of biological, chemical and physical assessment such as field surveys of algal, macrophyte and benthic invertebrate diversity, toxicity assays, and analyses of stream flow.

Pre-Requisites: BIOL*3450

1.2 Course Description

BIOL*4350 will be taught in person for Fall 2022.

For lecture, we will delve into the wonderful world of limnology and will meet twice a week as we explore the characteristics and methods of study of the limnology of natural and polluted aquatic ecosystems.

For labs, we will meet in person and will explore methods of biological, chemical and physical assessment of various aquatic habitats. We will participate in several outdoor labs at local lakes and streams, and conduct analysis during scheduled lab periods.

1.3 Timetable

LECTURES: 10:00 - 11:20 Tues, Thurs. **In-person** CRSC 116.

All lecture materials will be uploaded to Courselink prior to scheduled lecture times.

LABS: 2:30- 5:20 Mon OR Tues, **In-person** SCI 2305.

Please note the proposed course format, schedule or location for the Fall 2022 semester may change up to the first day of classes due to personnel, resource, and public health circumstances and if conditions cannot be met to ensure the safety of our students and instructors. Continue to watch the Student Planning website as format information could be updated until the first day of classes.

1.4 Final Exam

December 7, 2022 8:30 - 10:30 AM

Location TBD

2 Instructional Support

2.1 Instructional Support Team

Instructor:	Dr. J.D Ackerman
Email:	ackerman@uoguelph.ca
Telephone:	519-824-4120 x.58268
Office:	SSCIE 2468
Office Hours:	(in-person or via video) by email appointment

Lab Co-ordinator:	Sheri Hincks
Email:	shincks@uoguelph.ca
Telephone:	519-824-4120 x.56010
Office:	SSC 3509
Office Hours:	TBD

2.2 Teaching Assistants

Teaching Assistant (GTA):	Chris Farrow
Email:	farrow@uoguelph.ca

3 Learning Resources

3.1 Required Resources

Courselink (Website)

This course makes extensive use of Courselink (D2L), the University of Guelph's online learning environment. The course website will provide information and updates about the course, including discussions, quizzes, assignments as well as lecture and lab content.

PDFs of Lecture Presentations will be posted on Courselink prior to each lecture. Please

check for any revisions to the PDF files (indicated by "-R.pdf), which may be posted after a lecture.

ZOOM (Software)

<https://zoom.us>

Students registered in the course must register for a free basic Zoom account in order to attend potential Zoom meetings (e.g., virtual office hours).

Please visit <https://zoom.us> to register for a free basic Zoom account using your University of Guelph email address (Gryphmail).

It is VERY IMPORTANT that you use your Gryphmail to register for your account and NOT any other email address (e.g., Gmail or hotmail accounts or Facebook).

Required Limnology of Natural and Polluted Waters (Lab Manual)

The lab manual for Limnology of Natural and Polluted Waters (BIOL*4350) is **required and must be purchased from the University of Guelph Bookstore** prior to lab 1.

Limnology of Natural and Polluted Waters Dept. Integrative Biology, U. of Guelph

Required Textbook (Textbook)

Moss, B.R. 2018. Ecology of Fresh Waters 5th Ed. Wiley-Blackwell. 480 pp

Lab Equipment (Equipment)

All lab equipment will be supplied to students as needed with the exception of lab coats (not required), pencils, notebooks etc.

Appropriate all-weather clothing and footwear for field labs is also advised.

Course Technologies and Technical Support (Software)

Parts of this course will be offered online 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.

- <http://www.uoguelph.ca/web/privacy/>
- <https://www.d2l.com/legal/privacy/>
- <https://www.d2l.com/accessibility/standards/>

CourseLink System Requirements

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. (Results will be displayed in a new browser window).

- <http://spaces.uoguelph.ca/ed/system-requirements/>
- <https://courselink.uoguelph.ca/d2l/systemCheck>

3.2 Recommended Resources

Identification keys for life along the Speed River Watershed (Lab Manual)

This lab manual is not required but is a great identification key. If you are going to be doing any work in Southern Ontario this is a very useful key to own. We will post an electronic copy of this manual on the course website.

- *Identification keys for life along the Speed River Watershed*. Integrative Biology, U of Guelph

Ares Course Reserve Readings will be posted on the BIOL*4350 Courselink site

Additional Lecture Readings will be posted on the BIOL*4350 Courselink site

4 Learning Outcomes

By the end of this course, students should be able to:

4.1 Course Learning Outcomes

By the end of this course, you should be able to:

1. Understand discuss the physical and chemical properties of water in freshwater streams and lakes.
2. Recognize and discuss environmental impacts on ecologically diverse systems: headwater streams; floodplain rivers; shallow waters including wetlands; profundal zones; lakes; and dispersion in rivers.
3. Describe and discuss the environmental impact of nutrient additions; acid rain; hypoxia and invasive species.
4. Explain the environmental impacts of fisheries.
5. Apply approaches and tools to analyze/mediate issues related to water pollution in freshwater.
6. Develop skills in physical and chemical measurement techniques for various freshwater aquatic habitats including lentic, lotic habitats and toxicity testing.
7. Formulate research questions by practicing the process of biological inquiry using the scientific method including testing predictions of falsifiable hypotheses.
8. Prepare and communicate scientific ideas, including scientific writing and oral communication.

5 Teaching and Learning Activities

5.1 Course Structure

The course is divided into twelve weeks, with two lectures and one lab period per week.

Week	Date (week of)	Lecture Topic*	Text Chapter	Lab Topic
	Sept. 8	L1 – An Introduction to Natural and Polluted Waters	1	NO LAB
1	Sept. 12	L2 – Hydrology and Light L3 – Physical- Chemical Properties of Water	4, 7 5, 6	Lab 1 Overview: Getting to know you and getting ready for the field.
2	Sept. 19	L4 – Sinks and Sources of Oxygen L5 – Evolution and Diversity of Freshwater Organisms	5 3	** Lab 2: Guelph Lake Assessment Field Trip 1
3	Sept. 26	L6 – Environmental Impact Assessment L7 – Headwater Streams	N/A 8	Lab 3: Lake Assessment (Laboratory Analyses) AND Toxicity Study
4	Oct. 3	L8 – Headwater Streams – Environmental Impacts	9 N/A	** Lab 4: Stream Assessment 1- Field trip 2 Lotic environment study.

Week	Date (week of)	Lecture Topic*	Text Chapter	Lab Topic
		L9 – Statistical Analysis I – Univariate Statistics		
5	Oct.10	Thanksgiving Study Break L10 – Floodplain Rivers	10	NO LABS THIS WEEK
6	Oct. 17	L 11 – Floodplain Rivers – Environmental Impacts Midterm Lecture Exam Oct. 20	11 Midterm	** Lab 5: Stream Assessment 2 - Field trip 3 Lotic environment study.
7	Oct. 24	L12 – Statistical Analysis II – Spatial and Temporal Analysis L13 – Lakes – Shallow Waters (wetlands)	10 11, 12	Lab 6: Introduction to Benthic Macroinvertebrates What did you find?

Week	Date (week of)	Lecture Topic*	Text Chapter	Lab Topic
8	Oct. 31	L14 – Lakes – Pelagic Zones L15 – Lakes – Profundal Zones	12, 13, 14 15	Lab 7: Continue Benthic sample identification
9	Nov.7	L16 – Hypothesis Formulation and Testing L17 –Environmental Impacts of Fisheries	N/A 16	Lab 8: Water Quality / Bioassessment Techniques
10	Nov. 14	L18 –Environmental Impacts of Nutrients Additions L19 – Intermittent Stratification in the Western Lake Erie	17 N/A	Lab 9: Guelph Wastewater treatment tour OR Writing a lab report.
11	Nov. 21	L20 – Aquatic invasive species	N/A N/A	NO LAB

Week	Date (week of)	Lecture Topic*	Text Chapter	Lab Topic
		L21 – Conservation & Management of Freshwater Species at Risk		
12	Nov. 28	L22 – Nutrient Management L23 - Replaces Fall Study Break (Tuesday, Oct. 11)	N/A N/A	

Lectures and labs subject to change.

** We will be in the field during the weeks of September 19, October 3, October 17 and November 14 (TBC). These labs will occur outside the Science Complex at various aquatic sampling locations and possibly the Guelph Sewage treatment facility. Students must dress appropriately and must review the field safety protocols outlined in the lab manual before engaging in these activities. Always bring your lab manual, pencils, and a notebook (If you have waders please bring them when we are sampling the streams)!

Other details will be provided on courselink.

5.2 Important Dates

Date	Event	Time / Location
Sep 8	First lecture	TBD

Sep 12/13	First lab	SSC 2305
Sep 18	Watershed Assignment Due	DROPBOX by 11:59 PM
Sep 19/20	Field trip 1- Guelph Lake	
Sep 30	Submit Toxicity data to class data set	ONLINE GOOGLE Form
Oct 3/4	Field Trip 2- Stream	TBD
Oct 7	Lake Assignment Due	DROPBOX by 11:59 PM
Oct 10	Thanksgiving	NO LABS THIS WEEK
Oct 11	Fall study break	NO CLASSES
Oct 17/18	Field Trip 3- Stream	TBD
Oct 20	Midterm exam	IN CLASS
Oct 21	Submit Stream Chemical/ Physical Data	ONLINE GOOGLE Form
Oct 23	Toxicity Assignment Due	DROPBOX by 11:59 PM
Nov 11	Submit Biological Metrics data	ONLINE GOOGLE Form
Nov 14/15	Field Trip 4 Guelph Wastewater Treatment Plant	TBD
Nov 23	Stream Assessment Report Due : Group contribution	DROPBOX by 11:59 PM
Nov 25	Stream Assessment Report Due: Individual contribution	DROPBOX by 11:59 PM
Dec 1	Last lecture (replaces fall study break days)	

Dec 7	Final exam	8:30- 10:30 AM, Location TBD
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6 Assessments

In all cases, students will be expected to write using complete sentences and proper grammar. All students are expected to complete and submit work individually unless otherwise stated. Students will be held responsible for all materials given in lectures, laboratory classes, and as specific reading assignments unless otherwise stated. No unofficial deferments of any scheduled evaluation will be given. Students who miss the midterm or other assessment components for documented medical or other legitimate reasons will have their final marks pro-rated on the basis of completed evaluations. No make-up evaluations will be conducted and all other reports and the final exam must be completed in order to pass the course.

Assessment standards for this course follow the definitions given in the 2022-2023 Undergraduate Calendar

6.1 Marking Schemes & Distributions

Assessments	Weight	Learning Outcomes Addressed
Watershed Assignment	5%	5,6,7,8
Lake Assignment	5%	5,6,7,8
Midterm Exam	25%	1,2,3,4,5
Toxicity Report	10%	5,6,7,8
Stream Assessment Report	25%	5,6,7,8 (includes 2% Peer Evaluation)
Final Exam	30%	1,2,3,4,5
Total Marks	100%	

Lab attendance is mandatory. Not all lecture materials/discussions will be posted on Courselink (i.e., some important points are made orally) and it is, therefore, important to take notes during lectures.

Assessment standards for this course follow the definitions given in the 2022-2023 Undergraduate Calendar

LAB NOTEBOOKS

Each of you should maintain your own Lab Notebook. It will serve as a written record of everything you do in the lab and in the field and will include observations, data sheets, drawings, questions, insights, ponderings, and aha moments. It will serve as an invaluable study tool while you are writing your reports and studying for exams. Your lab notebook will NOT be graded.

LAB REPORTS

The lab reports will consist of a formal write-up of various activities. For all reports, follow the instructions in the laboratory manual. The reports will be graded very strictly for format according to that used by *Limnology and Oceanography* (L&O). All lab reports will be submitted to the Dropbox on Courselink. See the lab manual and CourseLink for details. More details about these assignments will be provided in lecture and in lab.

6.2 Assessment Details

Watershed Assignment Part A, B and C (5%)

Date: Sun, Sep 18, 11:59 PM

Details of this assignment will be available on Courselink

Lake Assignment (5%)

Due: Fri, Oct 7 - , 11:59 PM, Dropbox

Details of this assignment will be available on Courselink

Midterm exam (25%)

Date: Thu, Oct 13, 10:00 AM - , 11:20 AM

This exam will cover lecture content only and will take place during the lecture period. The test will include all the material presented in class up to the preceding lecture period. The

exam may consist of multiple choice, short answer type or long answer questions. Synthesis of concepts, rather than straight regurgitation of facts will be emphasized. No make-up midterm exam will be given. If a student fails to write the midterm exam, a request for academic consideration with supporting documentation must be submitted to the instructor. If approved, final marks will be pro-rated on the basis of completed evaluations

Group Data: Chemical/ Physical (1%)

Date: Fri, Oct 21 - , 11:59 PM, Google Doc

Group Data for Stream Physical and Chemical parameters

Toxicity Report (10%)

Due: Sun, Oct 23 - , 11:59 PM, Dropbox

Acute Lethal Toxicity report following standards of L&O on the results of the toxicity study is required from each TEAM (3 - 4 per group) of students. More details will be provided in lab.

Group Data: Biological Metrics (1%)

Date: Fri, Nov 11 - , 11:59 PM, Google Doc

Group data: Biological Metrics Analyses

Stream Assessment Report: GROUP (9%)

Due: Wed, Nov 23 - , 11:59 AM, Dropbox

A Rapid Bioassessment Protocol evaluation of a stream. A final scientific report following standards of *L&O* on the results of the RBP bioassessment protocol evaluation is required from each TEAM (3/4 per group) of students. More details will be provided in lab. The report (minus the Introduction and Discussion components) is due on the date listed above. The Introduction and Discussion of the report will be submitted as an individual contribution, which is due on the date listed below.

You must submit an individual contribution in order to receive a group contribution. If you do not submit an individual portion, you will receive a grade of 0 for the assignment.

Stream Assessment Report - INDIVIDUAL (14%)

Due: Fri, Nov 25 - , 11:59 AM, Dropbox

A Rapid Bioassessment Protocol evaluation of a stream. A final scientific report following standards of *L&O* on the results of the RBP bioassessment protocol evaluation is required from each TEAM (3 -4 per group) of students. More details will be provided in lab. The report (minus the Introduction and Discussion components) is due on the date listed above. The Introduction and Discussion of the report will be submitted as an individual contribution, which is due on the date listed above. The Individual portion of your report will include a participation grade (2%) assigned by members of your group.

Final Exam (30%)

Due: Wed, Dec 7, 8:30 AM - , 10:30 AM

This exam will be written during the final exam period and will cover all of the content covered in the course. The exam may consist of multiple choice questions, short answer, and longer essay questions. You will be assessed on your ability to evaluate the information and interpret it in light of the studies you have examined in the lecture. If a student misses the final exam, a request for academic consideration including documentation must be submitted to the Program Counsellor within 5 working days of the missed exam.

7 Course Statements

7.1 Time Zones

Please note that all times reported in the course outline and on Courselink are in Eastern time (Guelph, Ontario, Canada)

7.2 Appropriate Use of Discussions and ZOOM

This course has been designed to foster interaction between students, student teams and with the instructors. The Discussions in Courselink, and any ZOOM sessions provide a means for team members to share ideas, opinions, and resources. Please show respect for the opinions of others at all times, even if you do not agree with their ideas. We encourage you to disagree, critique and add new insights, but this must be done in a positive manner. Discussions in the online conferences and learning sessions must be treated the same as face-to-face discussions. In the conferences others cannot see such things as facial expression and body language, both of which we normally take into account when talking face-to-face with someone. Therefore, be very careful in the phrasing of your contributions and responses, as they may be interpreted differently than what you had intended. Please respect your fellow students.

7.3 What to Expect in face to face labs

All current COVID protocols MUST be followed in lectures and lab. If you fail to comply with the protocols/ rules (which may change through the semester) you may lose your lab privileges and there may be academic penalties.

7.4 Late Policy/ Missed Midterm

- If you are unable to complete any of the Lab Writing Assignments by the deadline for medical, psychological, or compassionate reasons, please contact Sheri

Hincks in advance of the deadline to make arrangements for a short extension. Work that is handed in late will be penalized 10% each day that it is late. Please do not hesitate to reach out to us if you are struggling to meet deadlines for ANY reason.

- Students who miss a midterm exam for medical, psychological, or compassionate reasons, will have their final grade reweighted. No alternate midterms will be given
- See the undergraduate calendar for information on regulations and procedures for Academic Consideration:
<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>
- It is incumbent on the student to inform the instructors of the course within the first two weeks of class if there is a conflict between a student's religious observations (Holy Days) and a scheduled lab component, or lecture / lab evaluations.

7.5 Rights and Responsibilities When Learning Online (Netiquette)

For online courses, the course website is considered the classroom and the same protections, expectations, guidelines, and regulations used in face-to-face settings apply, plus other policies and considerations that come into play specifically because these courses are online.

For more information on your rights and responsibilities when learning in the online environment, visit Rights and Responsibilities.

<http://uoguelph.ca/student-resources/rights-and-responsibilities>

Inappropriate online behaviour will not be tolerated. Examples of inappropriate online behaviour include:

- Posting inflammatory messages about your instructor, TA's or fellow students;
- Using obscene or offensive language online;
- 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 (or other) 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, TA or instructor online;
- Attempting to compromise the security or functionality of the learning management system
- 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.
- Recording lectures or other information without consent

7.6 Use of Social Media

The university is aware that many students use Facebook Groups and other social media to communicate with their peers about course work. These media can be useful for communicating about and learning course material. However, please we aware that:

- Discussion boards on courselink are also beneficial as they are monitored by instructors who can provide guidance and factual information about a course and avoid false or misleading information.
- All students have a responsibility to behave with the utmost of integrity when in a class Facebook group just as in other forms of course interaction.
- Any behaviour that violates the course expectations and the trust upon which all learning depends, constitutes academic misconduct (see Undergraduate Calendar).
- Academic misconduct includes sharing answers from online quizzes or sharing

information about exams with those who have yet to complete them. Accepting answers distributed by students also makes you complicit in academic misconduct.

- All potential forms of misconduct on social media are taken as seriously as any other form of misconduct on campus and will be investigated vigorously.

Please consider the potential impact of academic misconduct on your record. Take all steps to avoid instigating or participating in this kind of activity. It's not worth it.

7.7 Copyright Notice

Content within this course is copyright protected. Third party copyrighted materials (such as book chapters and articles) have either been licensed for use in this course, or have been copied under an exception or limitation in Canadian Copyright law.

Presentations that are made in relation to course work - including lectures and labs- 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.

7.8 Use of Animals

The University is committed to principles of conducting research and teaching in accord with the highest ethical standards. Given that the use of animals, in research and teaching, is a critical aspect of the work of the University of Guelph, the Department of Integrative Biology is committed to minimizing the use, pain, and suffering of animals used for teaching and to ensuring that animals which are used will receive care and treatment that meets or exceeds the standards outlined by provincial guidelines and statutes, and by the Guidelines of the Canadian Council on Animal Care. For more information

http://www.uoguelph.ca/research/assets/acs/docs/university_animal_care_policy_and_procedures.pdf

8 Department of Integrative Biology Statements

8.1 Academic Advisors

If you are concerned about any aspect of your academic program:

- Make an appointment with a program counsellor in your degree program. [B.Sc. Academic Advising](#) or [Program Counsellors](#)

8.2 Academic Support

If you are struggling to succeed academically:

- Learning Commons: There are numerous academic resources offered by the Learning Commons including, Supported Learning Groups for a variety of courses, workshops related to time management, taking multiple choice exams, and general study skills. You can also set up individualized appointments with a learning specialist. <http://www.learningcommons.uoguelph.ca/>
- Science Commons: Located in the library, the Science Commons provides support for physics, mathematic/statistics, and chemistry. Details on their hours of operations can be found at: <http://www.lib.uoguelph.ca/get-assistance/studying/chemistry-physics-help> and <http://www.lib.uoguelph.ca/get-assistance/studying/math-stats-help>

8.3 Wellness

If you are struggling with personal or health issues:

- Counselling services offers individualized appointments to help students work through personal struggles that may be impacting their academic performance. <https://www.uoguelph.ca/counselling/>
- Student Health Services is located on campus and is available to provide medical attention. <https://www.uoguelph.ca/studenthealthservices/clinic>
- For support related to stress and anxiety, besides Health Services and Counselling Services, Kathy Somers runs training workshops and one-on-one sessions related to stress management and high performance situations. <http://www.selfregulationskills.ca/>

8.4 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/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.

For more information regarding the Collection, Use and Disclosure of Personal Information policies please see the Undergraduate Calendar. (<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/intro/index.shtml>)

8.5 Course Offering Information Disclaimer

Please note that course delivery format (face-to-face vs online) is subject to change up to the first-class day depending on requirements placed on the University and its employees by

public health bodies, and local, provincial and federal governments. Any changes to course format prior to the first class will be posted on WebAdvisor/Student Planning as they become available.

9 University Statements

9.1 Email Communication

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

9.2 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. The grounds for Academic Consideration are detailed in the Undergraduate and Graduate Calendars.

Undergraduate Calendar - Academic Consideration and Appeals

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Graduate Calendar - Grounds for Academic Consideration

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

Associate Diploma Calendar - Academic Consideration, Appeals and Petitions

<https://www.uoguelph.ca/registrar/calendars/diploma/current/index.shtml>

9.3 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 students (undergraduate, graduate and diploma) 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 their respective Academic Calendars.

Undergraduate Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

Graduate Calendar - Registration Changes

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/genreg-reg-regchg.shtml>

Associate Diploma Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/diploma/current/c08/c08-drop.shtml>

9.4 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.

9.5 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 14 days in advance, and no later than November 1 (fall), March 1 (winter) or July 1 (summer). Similarly, new or changed accommodations for online quizzes, tests and exams must be approved at least a week ahead of time.

For Guelph students, information can be found on the SAS website
<https://www.uoguelph.ca/sas>

For Ridgetown students, information can be found on the Ridgetown SAS website
<https://www.ridgetownc.com/services/accessibilityservices.cfm>

9.6 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 encourages academic integrity. 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.

Undergraduate Calendar - Academic Misconduct
<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>

Graduate Calendar - Academic Misconduct

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

9.7 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.

9.8 Resources

The Academic Calendars are the source of information about the University of Guelph's procedures, policies, and regulations that apply to undergraduate, graduate, and diploma programs.

Academic Calendars

<https://www.uoguelph.ca/academics/calendars>

9.9 Disclaimer

Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings, changes in classroom protocols, and academic schedules. Any such changes will be announced via CourseLink and/or class email.

This includes on-campus scheduling during the semester, mid-terms and final examination schedules. All University-wide decisions will be posted on the COVID-19 website (<https://news.uoguelph.ca/2019-novel-coronavirus-information/>) and circulated by email.

9.10 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).

9.11 Covid-19 Safety Protocols

For information on current safety protocols, follow these links:

- <https://news.uoguelph.ca/return-to-campus/how-u-of-g-is-preparing-for-your-safe-return/>
- <https://news.uoguelph.ca/return-to-campus/spaces/#ClassroomSpaces>

Please note, these guidelines may be updated as required in response to evolving University, Public Health or government directives.
