
STAT*2040 - Statistics I

Summer 2024 Course Outline

Section: DE

Credits: 0.50

Calendar Description

This course focuses on the practical methods of Statistics and the topics include: descriptive statistics; univariate models such as binomial, Poisson, uniform and normal; the central limit theorem; expected value; the t, F and chi-square models; point and interval estimation; hypothesis testing methods up to two-sample data; simple regression and correlation; introduction to analysis of variance. Assignments will deal with real data from the natural sciences and involve the use of statistical software for computing and visualization.

Prerequisite(s): 1 of 4U Calculus and Vectors, Advanced Functions and Calculus, OAC Calculus, MATH*1080

Restriction(s): STAT*2060, STAT*2080, STAT*2120, STAT*2230. This is a Priority Access Course. Enrollment may be restricted to particular programs or specializations. See department for more information.

Department(s): Department of Mathematics and Statistics

Course Description

This course is an introduction to descriptive and inferential statistics. We will discuss sampling, experiments and observational studies, parameters and statistics, descriptive statistics, probability, random variables, discrete and continuous probability distributions, sampling distributions, confidence intervals and hypothesis tests for means, variances, and proportions, chi-square tests for count data, one-way ANOVA, and simple linear regression.

Students are expected to become familiar with various methods of data collection and analysis, be able to carry out some of these analyses using statistical software, and be able to effectively communicate the results.

Instructor Information

Jeremy Balka

Email: jbalka@uoguelph.ca

Method of Delivery

This course is an online course and requires disciplined time management. To successfully complete this course, it is essential that you complete the weekly activities as scheduled.

Course Learning Outcomes

After successful completion of the course, students should be able to:

1. Create and properly interpret numerical and graphical data summaries;
2. Properly interpret probability and carry out basic probability calculations;
3. Carry out probability calculations for various discrete and continuous probability distributions, and choose the appropriate probability distribution in different scenarios;
4. Explain statistical inference concepts, including sampling distributions, confidence intervals, and hypothesis tests;
5. Choose an appropriate statistical inference procedure in a variety of situations, carry out the procedure, and effectively communicate a proper interpretation of the results;
6. Explain the design of some basic experiments and observational studies, and describe how statistical conclusions differ between experiments and observational studies; and
7. Carry out calculations for statistical inference procedures using appropriate statistical computing software.

Learning Resources

Required Textbook

Title: Introductory Statistics Explained (PDF)

Author(s): Jeremy Balka

Edition / Year: Edition 1.11(draft) / 2024

Title: Exercises and Answers for Introductory Statistics Explained

Author(s): Jeremy Balka

The textbook and exercises are provided on the course website in PDF format (free of charge). These will be working drafts of version 1.11. All PDFs are found under Content > Text Resources.

I have *extensive* video support for this course's content. From lecture style videos for each week's content, to shorter dedicated videos on specific topics, to video solutions to exercises. See my text and announcements for more details.

Course Website

CourseLink (<https://courselink.uoguelph.ca/shared/login/login.html>) (powered by D2L's Brightspace) is the course website and will act as your classroom. It is recommended that you log in to your course website every day to check for announcements, access course materials, and review the weekly schedule and assignment requirements.

<https://courselink.uoguelph.ca/shared/login/login.html>

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.

Course Schedule

It is strongly recommended that you follow the course schedule provided below. The schedule outlines what you should be working on each week of the course and lists the important due dates for the assessments. By following the schedule, you will be better prepared to complete the assessments and succeed in this course. (At the start of each week there will be a Courselink announcement with a more detailed description of that week's content.)

Week 1: Introduction to Statistics

Thursday, May 9 to Sunday, May 19

Readings

- Textbook Chapters 1 (Introduction) and 2 (Fundamental Concepts in Sampling).

Activities

- Familiarize yourself with the course website by selecting **Start Here** on the navbar.
 - Review **Outline** and **Assessments** on the course website to learn about course expectations, assessments, and due dates.
 - Complete the **Practice Test** using Respondus through the **Quizzes** tool. (*optional based on tools the course uses*)
 - Complete the exercises for Chapters 1 and 2.

Assessments

No marked assessment this week.

Week 2: Descriptive Statistics

Tuesday, May 21 to Sunday, May 26 (Holiday: Monday, May 20)

Readings

- Textbook Chapter 3 (Descriptive Statistics).

Activities

- Complete the exercises for Chapter 3.
- Begin working on Data Analysis Assignment 1 (due Wednesday, May 29 at 11:59 pm ET).

Assessments

No marked assessment this week.

Week 3: Probability

Monday, May 27 to Sunday, June 2

Readings

- Textbook Chapter 4 (Probability).

Activities

- Complete the exercises for Chapter 4.

Assessments

- Submit **Data Analysis Assignment 1** (due Wednesday, May 29 at 11:59 pm ET).

Week 4: Discrete Probability Distributions

Monday, June 3 to Sunday, June 9

Readings

- Textbook Chapter 5 (Discrete Probability Distributions).

Activities

- Complete the exercises for Chapter 5.

Assessments

- **Test 1 (Done as a CourseLink quiz)**. Test 1 opens on Wednesday, June 5 at 4:00 pm ET and closes 3 hours later at 7:00 pm ET.

Week 5: Continuous Probability Distributions + Sampling Distributions

Monday, June 10 to Sunday, June 16

Readings

- Textbook Chapter 6 (Continuous Probability Distributions) and Chapter 7 (Sampling Distributions).

Activities

- Complete the exercises for Chapter 6.
- Complete the exercises for Chapter 7.

Assessments

No marked assessment this week.

Week 6: Introduction to Confidence Intervals

Monday, June, 17 to Sunday, June 23

Readings

- Textbook Chapter 8 (Confidence Intervals).

Activities

- Complete the exercises for Chapter 8.

Assessments

No marked assessment this week.

Week 7 and Week 8: Introduction to Hypothesis Testing

Week 7 – Monday, June 24 to Sunday, June 30

Week 8 – Tuesday, July 2 to Sunday, July 7 (Holiday: Monday July 1)

Readings

- Textbook Chapter 9 (Hypothesis Testing).

Activities

- Complete the exercises for Chapter 9.
- Begin working on **Data Analysis Assignment 2** (due on Wednesday, July 24 at 11:59 am ET).

Assessments

- **Test 2 (Done as a CourseLink quiz)**. Test 2 opens on Wednesday, June 26 at 4:00 pm ET and closes 3 hours later at 7:00 pm ET.

Week 9: Inference for Two Means

Monday, July 8 to Sunday, July 14

Readings

- Textbook Chapter 10 (Inference for Two Means).

Activities

- Complete the exercises for Chapter 10.
- Continue working on **Data Analysis Assignment 2** (due on Wednesday, July 24 at 11:59 am ET).

Assessments

No marked assessment this week.

Week 10: One-way ANOVA + Inference for Variances

Monday, July 15 to Sunday, July 21

Readings

- Textbook Chapter 14 (One-way ANOVA) and Chapter 13 (Inference for Variances).

Activities

- Complete the exercises for Chapter 14.
- Complete the exercises for Chapter 13.
- Continue working on **Data Analysis Assignment 2** (due on Wednesday, July 24 at 11:59 am ET).

Assessments

- **Test 3 (Done as a CourseLink quiz)**. Test 3 opens on Wednesday, July 17 at 4:00 pm ET and closes 3 hours later at 7:00 pm ET.

Week 11: Inference for Proportions (z procedures and chi-square tests)

Monday, July 22 to Sunday, July 28

Readings

- Textbook Chapter 13 (Inference for Proportions) and Chapter 14 (Chi-square Tests).

Activities

- Complete the exercises for Chapters 13 and 14.

Assessments

- Submit **Data Analysis Assignment 2** (due on Wednesday, July 24 at 11:59 am ET).

Week 12: Simple Linear Regression and Correlation

Monday, July 29 to Friday, August 2

Readings

- Textbook Chapter 15 (Simple Linear Regression).

Activities

- Complete the exercises for Chapter 15.

Assessments

No marked assessment this week.

Assessment Breakdown

The following table summarizes the grade distribution and deadlines for each assessment. Due dates can also be found under the *Schedule* heading of this outline.

Description	Weighting (%)	Due Date
Assignment #1	10%	Wednesday, May 29 at 11:59 pm ET
Assignment #2	10%	Wednesday, July 24 at 11:59 am ET
Test #1	12%	Open on Wednesday, June 5 from 4:00 - 7:00 pm ET
Test #2	12%	Open on Wednesday, June 26 from 4:00 - 7:00 pm ET
Test #3	12%	Open on Wednesday, July 17 from 4:00 - 7:00 pm ET
Final Exam	44%	Open on Tuesday, August 6 from 2:30 - 3:30 pm ET

Assessment Details

Assignment

The two data analysis assignments will require you to create plots and to analyze data sets using the statistical software R (or R Studio), and write up the results in a clear and concise manner. These assignments will be submitted to **Gradescope** through CourseLink. More information will be posted as an **Announcement**.

Tests

There will be 3 term tests (in weeks 4, 7 and 10) that will be carried out via the quizzing tool in CourseLink. Each term test will open at 4:00 pm ET on Wednesday, and close 3 hours later at 7:00 pm ET. No extensions will be granted. You may start the test at any time in that window, but once you start the quiz you will have 70 minutes to complete it.

Please see the section "Respondus Lockdown Browser and Monitor" below for more information on the virtual proctoring requirements.

Exam

The final exam may contain a combination of multiple choice, multiple select, numeric response, and written response questions. You are responsible for all the content of the course.

The final exam will be delivered online via the **Quizzes** tool. The exam is 2 hours in length and will be held on Tuesday April 6.

The exam must be started between 2:30 pm and 3:30 pm, Eastern Time (ET). You can enter the exam at any point during this window of time but will only have 2 hours to complete it from when you start writing. For example, if you start writing the exam at 2:47 pm, you will have until 4:47 pm to complete it. After 3:30 pm ET you will no longer be able to enter the exam environment.

Please see the section "Respondus Lockdown Browser and Monitor" below for more information on the virtual proctoring requirements.

Select **Content** on the navbar to locate **Assessments** in the table of contents panel to review further details of the final exam.

University of Guelph degree and associate diploma students must check Web Advisor (<https://www.uoguelph.ca/webadvisor/>) for their examination schedule. Open Learning program students must check the Open Learning Program Final Examination Schedule for their examination schedule: <http://opened.uoguelph.ca/student-resources/final-exams> (<http://opened.uoguelph.ca/student-resources/final-exams/>)

<https://www.uoguelph.ca/webadvisor>

<http://opened.uoguelph.ca/student-resources/Open-Learning-Program-Final-Exam-Schedule>

Respondus Lockdown Browser and Monitor

This course requires the use of Respondus LockDown Browser and Monitor to proctor your midterms and final exam within CourseLink. Use of Lockdown Browser and Monitor has been implemented to maintain the academic integrity of the term tests and final exam.

You must download and install LockDown Browser and Monitor (<http://www.respondus.com/lockdown/download.php?id=273932365>) to complete the practice test, midterms, and final exam. While writing the practice test, midterms, and final exam, you must show your university issued identification card during the Respondus Startup Sequence.

Similar to a sit-down exam where you must arrive prior to the start of the exam, it is highly recommended that you enter the online exam environment in Respondus at least 20-30 minutes before the end of the available window to allow enough time for you to complete the Respondus Startup Sequence and ensure that you have the full time allotted for each of the terms tests and final exam.

Please be sure to review the Using Respondus Lockdown Browser and Monitor instructions by selecting **Content** on the navbar to locate **Assessments** in the table of contents panel.

Important Note: There is a mandatory practice test that you are required to take before Term Test 1. The purpose of the practice test is to ensure that Respondus LockDown Browser and Monitor is set up properly and that you are comfortable using the software.

If you have any questions regarding the use of Respondus Lockdown Browser and Monitor or if you encounter any technical issues during the practice test, term tests, or final exam, please contact CourseLink Support at courselink@uoguelph.ca or 519-824-4120 ext. 56939.

<http://www.respondus.com/lockdown/download.php?id=273932365>

Requesting an Alternate Format without Respondus Monitor

Alternative arrangements for students who object to the use of Respondus Monitor will continue to be made following current guidelines: Students may request an alternative assessment that does not use Respondus Monitor by contacting their instructor. Such requests must be made at least three business days (weekdays) in advance of a scheduled assessment.

Alternate Format

The alternate format of the assessment will be Online via the **Quizzes** tool in CourseLink using Respondus LockDown Browser with live invigilation with MS Teams or Zoom.

Students are welcome to discuss any of the above with their instructor.

Final Exam

Date: Aug 6

Time: Tu 2:30pm-4:30pm

Location: SEE*ONLINE *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.

Last Day to Drop Course

The final day to drop Summer 2024 courses without academic penalty is the last day of classes: August 02

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.

Course Grading Policies

Submission of Assignments

Assignments will be submitted through Gradescope, an online testing and assessment software. Visit the Gradescope website to review the Get Started videos (https://www.gradescope.com/get_started/#student-submission) and [Student Help Centre](#).

https://www.gradescope.com/get_started#student-submission

<https://help.gradescope.com/category/cyk4ij2dwi-student-workflow>

Late Assignments

Assignments must be submitted by the deadline. If no extension has been granted, then assignments received after the deadline will receive a grade of 0. In the event students are having trouble making the deadline, they should contact the instructor as soon as possible.

Technology Requirements and Technical Support

CourseLink System Requirements

You are responsible for ensuring that your computer system meets the necessary system requirements. (<https://opened.uoguelph.ca/student-resources/system-and-software-requirements/>) Use the browser check (<https://courselink.uoguelph.ca/d2l/systemCheck/>) tool to ensure your browser settings are compatible and up to date. (Results will be displayed in a new browser window)

Respondus LockDown Browser and Monitor Requirements

Respondus LockDown Browser is a locked browser for taking quizzes in CourseLink. It prevents you from printing and copying; using other operating software; using search engines (e.g., going to another URL); communicating via instant messaging; and it blocks non-web-related software (e.g., Adobe PDF, Microsoft Word).

Respondus Monitor is a companion application for LockDown Browser that uses webcam and video technology to ensure academic integrity during online exams. The software captures video during the exam and allows the instructor to review the video once the exam is completed.

In order to use Respondus LockDown Browser and Monitor, your computer system must meet the following system and software requirements (<https://opened.uoguelph.ca/student-resources/system-and-software-requirements/#Respondus-LockDown-Browser-and-Monitor>).

If you have any concerns about meeting system requirements, contact CourseLink Support (<https://support.opened.uoguelph.ca/contact/>).

Respondus LockDown Browser Requirements

Respondus LockDown Browser is a locked browser for taking exams in CourseLink. It prevents you from printing and copying; using other operating software; using search engines (e.g., going to another URL); communicating via instant messaging; and it blocks non-web-related software (e.g., Adobe PDF, Microsoft Word).

If you have any concerns about meeting system requirements, contact CourseLink Support (<https://support.opened.uoguelph.ca/contact/>).

Zoom

This course uses **Zoom** as a video communication tool.

System Requirements:

1. An internet connection – broadband wired or wireless (3G or 4G/LTE)
2. Speakers and a microphone – built-in or USB plug-in or wireless Bluetooth
3. A webcam or HD webcam - built-in or USB plug-in

Microsoft Teams System Requirements

This course may use **Microsoft Teams** as a video communication tool. A Webcam, a microphone to record video, and headphones/speakers to play back the recording are also needed. In order to use Microsoft Teams, you must meet the following technical requirements:

1. An internet connection – broadband wired or wireless (3G or 4G/LTE);
2. Speakers and a microphone – built-in or USB plug-in or wireless Bluetooth;
3. A webcam or HD webcam - built-in or USB plug-in;

Supported mobile platforms: Android 4.4 or later and iOS 10.0 or later.

Technical Skills

As part of your online experience, you are expected to use a variety of technology as part of your learning:

- Manage files and folders on your computer (e.g., save, name, 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 instructors for this are given in your course);
- Access, navigate, and search the internet using a web browser (e.g., Chrome, Firefox, Microsoft Edge, Safari, etc.);
- Perform online research using various search engines (e.g., Google) and library databases.

Technical Support

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

CourseLink Support

University of Guelph

Day Hall, Room 211

Email: courselink@uoguelph.ca (https://calendar.uoguelph.ca/syllabi/2024-summer/stat-2040-de01-stat_2040_de01/email
to:courselink@uoguelph.ca)

Tel: 519-824-4120 ext. 56939

Toll-Free (CAN/USA): 1-866-275-1478

Walk-In Hours (Eastern Time):

Monday thru Friday: 8:30 am-8:30pm

Phone/Email Hours (Eastern Time):

Monday thru Friday: 8:30am-8:30pm

Saturday: 10:00am - 4:00pm

Sunday: 12:00pm - 6:00pm

Standard Statements for Online Courses

Acceptable Use

The University of Guelph has an Acceptable Use Policy (<https://ithelp.uoguelph.ca/policy/acceptable-use-policy/>), which you are expected to adhere to.

Communicating with Your Instructor

During the course, your instructor will interact with you on various course matters in the course website using the following ways of communication:

- **Announcements:** The instructor 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 instructor.
- **Discussion Board:** Use the discussion forums to ask questions of your instructor about the content or course-related issues with which you are unfamiliar. If you encounter difficulties, the instructor is 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 your instructor a private message by email. The instructor will generally respond to your email within 48 to 72 hours.

Netiquette Expectations

For distance education 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.

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

- Posting inflammatory messages about your instructor 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 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 online;
- 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;
- Sharing your username and password; and
- Recording lectures without the permission of the instructor.

Submission of Assignments to Gradescope

All assignments for this course should be submitted electronically via Gradescope. When submitting your assignments, do not leave the page until you have verified that your assignment has been successfully uploaded.

Be sure to keep a back-up copy of all of your assignments in the event that they are lost in transition. In order to avoid any last-minute computer problems, your instructor strongly recommends you save your assignments to a cloud-based file storage (e.g., Google Docs) or send them to your email account, so that should something happen to your computer, the assignment could still be submitted on time or resubmitted.

It is your responsibility to submit your assignments on time as specified on the Schedule. Be sure to check the technical requirements and make sure you have the proper computer, that you have a supported browser, and that you have reliable Internet access. Remember that technical difficulty is not an excuse not to turn in your assignment on time. Don't wait until the last minute as you may get behind in your work.

If, for some reason, you have a technical difficulty when submitting your assignment electronically, please contact your instructor or CourseLink Support (<https://support.opened.uoguelph.ca/contact/>).

Extension Considerations

Extensions will be considered for medical reasons or other extenuating circumstances. If you require an extension, discuss this with the instructor as soon as possible and well before the due date. Barring exceptional circumstances, extensions will not be granted once the due date has passed. These rules are not designed to be arbitrary, nor are they inflexible. They are designed to keep you organized, to ensure that all students have the same amount of time to work on assignments, and to help to return marked materials to you in the shortest possible time.

Obtaining Grades and Feedback

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

Your instructor will have grades posted online within 2 weeks of the submission deadline, if the assignment was submitted on time. 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.

University of Guelph degree students can access their final grade by logging into WebAdvisor (<https://webadvisor.uoguelph.ca>) (using your U of G central ID). Open Learning program students should log in to the OpenEd Student Portal (<https://courses.opened.uoguelph.ca/portal/logon.do?method=load>) to view their final grade (using the same username and password you have been using for your courses).

Rights and Responsibilities When Learning Online

For distance education (DE) 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://opened.uoguelph.ca/student-resources/rights-and-responsibilities/>).

Respondus Policy Violation Consequences

If your video is flagged, your instructor will review it. If this review indicates a suspected case of academic misconduct, your instructor will initiate the procedures for such cases and you may be subject to the penalties as outlined in the University's Academic Misconduct Policy (<https://www.uoguelph.ca/registrar/calendars/guelphhumber/current/c07/c07-amisconduct.shtml/>)

Standard Statements for Open Learning Program Students

Open Learning program (OLp) students are required to follow the same Senate-approved academic regulations as University of Guelph undergraduate students and should consult the Open Learning Program Calendar or the Open Learning Program Counsellor for information and guidance on academic and administrative policies, procedures, and services, including academic accommodations and accessibility.

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/>)

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. The fair dealing exemption in Canada's Copyright Act permits students to reproduce short excerpts from copyright-protected materials for purposes such as research, education, private study, criticism and review, with proper attribution. Any other copying, communicating, or distribution of any content provided in this course, except as permitted by law, may be an infringement of copyright if done without proper license or the consent of the copyright owner. Examples of infringing uses of copyrighted works would include uploading materials to a commercial third-party web site, or making paper or electronic reproductions of all, or a substantial part, of works such as textbooks for commercial purposes. Students who upload to CourseLink copyrighted materials such as book chapters, journal articles, or materials taken from the Internet, must ensure that they comply with Canadian Copyright law or with the terms of the University's electronic resource licenses. For more information about students' rights and obligations with respect to copyrighted works, review <https://www.lib.uoguelph.ca/about/policies/fair-dealing-policy> (<https://www.lib.uoguelph.ca/about/policies/fair-dealing-policy/>)

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