1 Course Details

1.1 Calendar Description

This course examines the endocrine systems of farm animals and their applications to improve and monitor the production, performance, behavior and health of livestock. Considerable emphasis will be placed upon understanding how knowledge of endocrine regulation can be applied within animal production systems.

Pre-Requisites: ANSC*3080

1.2 Course Description

In this course, we hope to stimulate your excitement about science and the scientific approach; that is, how new information is discovered and how it can be applied to animal production systems. We will also encourage you to be an independent and critical thinker. This learning process is more important than remembering every detail of the material, but you need to know enough detail to be able to potentially manipulate the endocrine systems we are studying. Assessments emphasize the understanding and integration of information rather than memorization of material. The lecture notes will be posted on Courselink and students are expected to review the notes and to read the appropriate sections of the textbook to prepare for the lecture.
1.3 Timetable

Tuesday 1:00 - 2:20 p.m.; Thursday 1:00 - 2:20 p.m. Connect by Zoom - see course calendar for link

Timetable is subject to change. Please see WebAdvisor for the latest information. Lectures will be recorded and placed on course link after the lecture time.

1.4 Final Exam

The final assignment is due on Apr 9 at 4:30 pm.

2 Instructional Support

2.1 Instructional Support Team

Instructor: James Squires
Email: jsquires@uoguelph.ca
Telephone: +1-519-824-4120 x53928
Office: ANNU 146
Office Hours: By appointment

2.2 Teaching Assistants

Teaching Assistant: Christine Bone
Email: cbone@uoguelph.ca
Office: ANNU 208
Office Hours: Tues and Thursday 2:30-3:30 or email for a time that works best

Teaching Assistant: Emma Hastie
Email: ehastie@uoguelph.ca
Office Hours: Tues and Thursday 2:30-3:30 or email for a time that works best

2.3 Netiquette Expectations

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 user name and password
· Recording lectures without the permission of the instructor

2.4 Communicating with Your Instructor

During the course, your instructor will interact with you on various course matters on 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.
- **Questions**: All questions should be directed to the TA first for resolution. If necessary, it will be escalated to the instructor.
- **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 attempt to respond to your email within 24 hours.

3 Learning Resources
3.1 Required Resources

Required Texts (Textbook)
N/A

3.2 Recommended Resources

Recommended (Textbook)


3.3 Additional Resources

Lab Manual (Lab Manual)
N/A

Other Resources (Other)

All course lectures and supplementary materials are available on the CourseLink site.

Field Trips (Other)
N/A

Additional Costs (Other)
N/A

3.4 Course Technology and Technical Support

This course will use a variety of technologies including;

- CourseLink (main classroom)
- Zoom
- Teams (via Office 365)

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 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

CourseLink

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.


Technical Support

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

Email: courselink@uoguelph.ca
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

Teams (via Office 365)

Office 365 Teams is a collaboration service that provides shared conversation spaces to help teams coordinate and communicate information. This course will use Teams for one on one meetings with your Instructor. It is recommended that you use the desktop version of Teams. As a student you are responsible for learning how to use Teams and it’s features.

For Teams Support visit the CCS website for more information.

https://www.uoguelph.ca/ccs/services/office365/teams

Zoom

This course will use Zoom for lectures. Check your system requirements to ensure you will be able to participate.
3.4 Technical Skills

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.

3.4 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.

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/

https://www.lib.uoguelph.ca/campus-login

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.

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
https://www.lib.uoguelph.ca/find/course-reserves-ares/how-get-course-reserve-material
4 Learning Outcomes

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

4.1 Course Learning Outcomes

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

1. Understand and explain the concepts of endocrinology, including the structure and function of hormones and receptors, and the integration of hormone action.
2. Evaluate methods to study how endocrine systems work and how they can be manipulated or used to monitor animal production systems.
3. Integrate information to manipulate selected endocrine systems that can affect
   - animal growth and carcass composition
   - the production of animal products, and
   - animal behaviour, health and response to environment
4. Critically analyse experiments in endocrinology in written form and in class presentations

5 Teaching and Learning Activities

5.1 Lecture

Tue, Jan 12

Topics: Endocrine Systems

- Introduction and overview of hormones and endocrinology

References:

- Textbook Ch. 1, pp. 1-6

Thu, Jan 14

Topics: Endocrine Systems

- Synthesis, release and metabolism of hormones
Tue, Jan 19

Topics: Endocrine Systems

- Cell surface receptors (part 1)

References: Textbook Ch. 1, pp. 7-17

Thu, Jan 21

Topics: Endocrine Systems

- Cell surface receptors part 2)

References: Textbook Ch. 1, pp. 18-29

Tue, Jan 26

Topics: Endocrine Systems

- Intracellular receptors

References: Textbook Ch. 1, pp. 29-38

Thu, Jan 28

Topics: Endocrine Systems

- Integration of Hormone Action

References: Textbook Ch. 1, pp. 39-44

Tue, Feb 2

Topics: Endocrine Systems
• midterm review and questions posted

Thu, Feb 4

Topics: 

Endocrine Methodologies

• Methods for determining how endocrine systems function

References:

• Textbook Ch. 2, pp. 47-57

Tue, Feb 9

Topics: 

Endocrine Methodologies

Assay methods for measuring hormones (part 1)

References:

Textbook Ch. 2, pp. 57-67

Thu, Feb 11

Topics: 

Endocrine Methodologies

• Assay methods for measuring hormones (part 2)

References:

• Textbook Ch. 2, pp. 57-67

Tue, Feb 23

Topics: 

Endocrine Methodologies

• Receptor binding assays

References:

• Textbook Ch. 2, pp. 67-70

Thu, Feb 25
Endocrine Methodologies

• Methods for producing hormones

References:
• Textbook Ch. 2, pp. 70-77

Tue, Mar 2
Topics: Endocrine Methodologies
• Manipulating endocrine systems

References:
• Textbook Ch. 2, pp. 77-86

Thu, Mar 4
Topics: Endocrine Methodologies
• Midterm review and questions posted

Tue, Mar 9
Topics: Applications of Endocrinology
• Presentation and Final Assignment Instructions and Review

Thu, Mar 11
Topics: Applications of Endocrinology
• Guest lecture: Endocrine applications in aquaculture (R. Moccia)

Tue, Mar 16
Topics: Applications of Endocrinology

• Student Presentations
  • Topic: Endocrine manipulation of growth and carcass composition

Thu, Mar 18

Topics: Applications of Endocrinology

• Student Presentations
  • Topic: Endocrine manipulation of growth and carcass composition

Tue, Mar 23

Topics: Applications of Endocrinology

• Student Presentations
  • Topic: Endocrine manipulation of growth and carcass composition

Thu, Mar 25

Topics: Applications of Endocrinology

• Student Presentations
  • Topic: Endocrine manipulation of growth and carcass composition or effects on animal products

Tue, Mar 30

Topics: Applications of Endocrinology

• Student Presentations
  • Topic: Endocrine effect on animal products
Thu, Apr 1

Topics: Applications of Endocrinology

  • Student Presentations
  • Topic: Endocrine effect on animal products or health, behaviour and response to environment

Tue, Apr 6

Topics: Applications of Endocrinology

  • Student Presentations
  • Topic: Effects on animal behaviour, health, and response to environment

Thu, Apr 8

Topics: Applications of Endocrinology

  • Student Presentations
  • Topic: Effects on animal behaviour, health, and response to environment

5.2 Final Assignment due April 15th at 4:30pm

5.3 Note:
This is a tentative schedule and may be changed at the instructor's discretion.

5.4 Extra

Additional Information for In-class Student Presentations (March 16 to April 8)

Groups of 4-5 students will present on specific applications of endocrinology in Animal Biosciences that are of interest to the group. Background information is available in the textbook to help the groups to get started on their presentations, but the material presented should be current. The presentations will include a discussion of innovative methods used in endocrinology and applications of various endocrine systems. They consist of a 30-minute seminar with 10 additional minutes for discussion. There will be 2 student presentations in one class period. PowerPoint or other computer graphics programs should be used.
Presentations should cover the following points:

- **Introduction**: A summary of the relevant literature in the area that provides a current overview of the subject. Why is this area important?

- **Endocrinological Principles**: A description of the endocrinological principles involved in the problem. This includes an outline of the hormones and receptors involved and their mechanism of action.

- **Innovative Research**: A critical discussion of at least two different key papers (not review articles) in peer-reviewed journals that have made a significant impact or described key methodologies in this area of endocrinology. How have these findings helped to advance the level of knowledge or impact this area of endocrinology? How are they innovative? What model systems are used for this work? What were the key findings?

- **Applications**: A discussion of current applications and other potential applications of the system. How is the system modified or otherwise used to advantage? What is the potential impact of this?

An example presentation will be provided on CourseLink that demonstrates the quality of content that is expected from the presentations. A description of the assignment criteria being addressed on each slide will be available in the notes section for each slide. Presenters must email the presentation to the instructor by the day before their set presentation date so that it can be posted on CourseLink. It is highly recommended that each group contact the TAs through email to facilitate a meeting at least one week prior to the presentation date. This TA check in meeting will provide the students with an opportunity to receive feedback and make any necessary changes to their presentations in advance.

**Peer Feedback & Additional Bonus Questions**

All students are expected to be present at these presentations and should actively contribute to the discussion by asking questions and adding in new information. Students are also expected to make written critical comments on the presentation through 5 presentation bonus questions. For 5 presentations on different days, you can submit the answer to the following bonus question:

*Describe how one of the presentations today was innovative and might lead to significant impacts on animal production systems.*

Each answer to this bonus question should be completed on the Oral Presentation Peer Feedback form given out on the day of the presentation.

**Evaluation of the Presentation**

Format of the presentation (quality of slides, clarity of presentation) 5%
Content of the presentation and question period (amount of research, quality of information, originality, level of understanding of topic, ability to answer questions) 15%

**Total for Presentation (Group Mark) 20%**

*The additional 5% for answers to presentation bonus questions is an individual grade.*

**Presentation Topics**

**Topic 1:** Endocrine Manipulation of Growth and Carcass Composition

*6 to 8 Student presentations from the following topics:*

- Porcine stress syndrome and PSE meat
- Effects of somatotropin
- Effects of b-agonists
- Anabolic steroids and analogues
- Dietary chromium and insulin
- Leptin and other adipokines and lipokines
- Thyroid hormones
- Dietary PUFA (linoleic, linolenic, gamma-linolenic acid and conjugated linoleic acid)
- Control of appetite
- Antimicrobials, prebiotics and probiotics
- Effects of the gut microbiome

**Topic 2:** Endocrine Effects on Animal Products

*4 to 6 Student presentations from the following topics:*

**Milk Production**

- Hormonal effects on mammary growth and initiation of lactation
- Hormonal effects (eg bST) on maintenance of lactation
- Metabolic diseases of lactation (milk fever, ketosis)
Wool Production

• Factors affecting wool production and endocrine defleecing

Egg Production

• Regulation of follicular development, egg production and moulting
• Regulation of eggshell formation and calcium homeostasis
• Endocrine effects on sexual development in chickens

Topic 3: Effects on Animal Behaviour, Health and Response to Environment

4 to 6 Student presentations from the following topics:

• Endocrine measures of health and production efficiency
• Endocrine applications in toxicology
• Control of broodiness in poultry
• Applications of pheromones in vertebrates
• Applications of pheromones in Insects
• ‘Sniffer Dogs’ as bioassay tools
• The skin as an endocrine tissue
• Endocrine control of cancer

6 Assessments

6.1 Marking Schemes & Distributions

<table>
<thead>
<tr>
<th>Name</th>
<th>Scheme A (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation (question submission)</td>
<td>5</td>
</tr>
<tr>
<td>Take Home Quiz on Endocrine Systems</td>
<td>15</td>
</tr>
<tr>
<td>Take Home Quiz on Endocrine Methods</td>
<td>15</td>
</tr>
<tr>
<td>Assignment</td>
<td>10</td>
</tr>
<tr>
<td>Class Presentation</td>
<td>20</td>
</tr>
<tr>
<td>Presentation Bonus Questions</td>
<td>5</td>
</tr>
<tr>
<td>Final Assignment</td>
<td>30</td>
</tr>
</tbody>
</table>
6.2 Assessment Details

Participation (question submission) (5%)
   Date: Thu, Jan 7 - Wed, Mar 3
   Learning Outcome: 1, 2

Take Home Quiz on Endocrine Systems (15%)
   Date: Tue, Feb 2
   Learning Outcome: 1, 2
   Students have one week to complete the midterm

Take Home Quiz on Endocrine Methods (15%)
   Date: Thu, Mar 4
   Learning Outcome: 1, 2
   Students have one week to complete the midterm

Assignment (10%)
   Date: Fri, Mar 19
   Learning Outcome: 4

Class Presentation (20%)
   Date: Thu, Mar 18 - Thu, Apr 8
   Learning Outcome: 3, 4
   20% - group mark

Presentation Bonus Questions (5%)
   Date: Thu, Mar 18 - Thu, Apr 8
   Learning Outcome: 1, 2, 3, 4

Final Assignment (30%)
   Date: Thu, Apr 15, 4:30 PM, Submit via dropbox
   Learning Outcome: 3, 4

6.3 Additional Details regarding Assessments

Assessments

This is a tentative mark breakdown and may be changed at the instructor’s discretion.

Final assignment date and time: Due Apr. 15 at 4:30 p.m.

Final assignment weighting: 30%

Group Work

At the beginning of the semester, students are asked to form groups of 5 based on common interest of a topic for the presentations (listed below). In these groups, students will work
together for the presentations.

**Course Quizzes and Assignments**

The quizzes in this course are intended to test the knowledge and understanding of the material. Each quiz is worth 15% and is non-cumulative. They are take home format with one week to complete and students are encouraged to use all available resources and work together to complete them. **However, students must submit individual work written in their own words.** Plagiarism will not be tolerated.

Assignments are designed for students to apply and understand the material presented in lectures. One assignment (10%) requires students to critically analyze a scientific paper. The final assignment (30%) is designed to build off of the material from the group presentations. The details for the final assignment will be released mid-February.

**Participation (Question Submission)**

The objective of the 5% participation mark is to provide an anonymous platform for students to submit questions they have regarding the lecture or topics that they would like clarified. Questions can be submitted at the end of each lecture on CourseLink and will assist the instructors in developing review questions and concepts to be covered at the start of the following lecture.

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**7 Course Statements**

**7.1 Grading Policies**

Assignments should be submitted via dropbox by 4:30 p.m. on the due date. Late penalties of 2% per day will be assessed for late submissions.

Our philosophy with grading is that if you work hard and deserve an A, you will not be prevented from receiving that grade. There is no set number of A’s that can or have to be assigned. We want all students to work hard and do the best that they can. That being said, we will be grading according to the university policy outlined below.

The assignment of grades at the University of Guelph be based on clearly defined standards, which are to be published in the Undergraduate Calendar for the benefit of faculty and students and that the definitions for each of the numerical grade range (letter grades) be 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.

### 7.2 Course Policy on Group Work

All group members are expected to contribute equally to the class presentations, but individuals may be responsible for different aspects of the work. All students in the group normally participate in the presentation.

### 7.3 Dropbox Submissions

Assignments should be submitted electronically via the online Dropbox tool. When submitting your assignments using the Dropbox tool, do not leave the page until your assignment has successfully uploaded. To verify that your submission was complete, you can view the submission history immediately after the upload to see which files uploaded successfully. The system will also email you a receipt. Save this email receipt as proof of submission.
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 recommend you save your assignments to a cloud-based file storage (e.g., OneDrive), or send to your email account, so that should something happen to your computer, the assignment could still be submitted on time or re-submitted.

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.

http://spaces.uoguelph.ca/ed/contact-us/

8 University Statements

8.1 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.

8.2 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
8.3 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-regregchg.shtml

Associate Diploma Calendar - Dropping Courses
https://www.uoguelph.ca/registrar/calendars/diploma/current/c08/c08-drop.shtml

8.4 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.

8.5 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 book their exams at least 7 days in advance and not later than the 40th Class Day.

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

8.6 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

8.7 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.

8.8 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

8.9 Disclaimer

Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings and academic schedules. Any such changes will be announced via CourseLink and/or class email. All University-wide decisions will be posted on the COVID-19 website (https://news.uoguelph.ca/2019-novel-coronavirus-information/) and circulated by email.

8.10 Illness

The University will not normally require verification of illness (doctor’s notes) for fall 2020 or
winter 2021 semester courses. However, requests for Academic Consideration may still require medical documentation as appropriate.