



# AGR\*2350 Animal Production Systems, Health and Industry

Fall 2021  
Section(s): C01

Department of Animal Biosciences  
Credit Weight: 0.50  
Version 2.00 - September 08, 2021

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## 1 Course Details

### 1.1 Calendar Description

This course is designed to introduce the student to the Agri-food system in Ontario, nationally and internationally. All major animal industries will be covered starting from the grocery store and working back to the primary producer. Companion and exotic animals will also be covered. Topics include food, health and wellness (domestic animals and human), nutrition, housing, genetics, reproduction, husbandry practices and processing. . The course includes laboratories and animal production unit tours.

**Pre-Requisites:** BIOL\*1030 or (2 of BIOL\*1050, BIOL\*1070, BIOL\*1080, BIOL\*1090)

### 1.2 Timetable

**This course is being offered in the synchronous delivery (recorded) format.**

**Lectures Tues/Thurs 10:00am - 11:20am will be delivered live via the Zoom platform.**

Students are should login to Zoom using their U of G account for security purposes. These live lectures will be recorded and links to the recordings will be available via the "lecture recordings" tab on Courselink. Note that recording links take about 24h to become available on the Zoom cloud and therefore will be delayed in posting recording to Courselink.

**Links to Zoom lectures will be provided via Courselink under the "Lecture ZOOM Links" tab.**

Note that to ensure security on the platform the Zoom links will be changing periodically throughout the course, so please follow Courselink links to access live lectures and or lab sessions

Students are highly encouraged to attend live lecture and participate in discussions and polls

In the event of technical difficulties during the live lecture (Zoom outages, etc.) the lecture will be recorded and made available for students as soon as possible. Students will be responsible for viewing the lecture recording on their own time, ideally before the next scheduled class day.

Timetable is subject to change. Please see WebAdvisor for the latest information.

**COVID-19 Disclaimer:** please be aware that the information on course delivery, accessibility and examinations presented in this outline were developed based on current University guidelines. However, due to the continuously evolving situation and resulting changes in public health recommendations, the format and delivery of this course may be revised with limited notice.

Please note that pandemic restrictions in place at the time of each lecture / lab must be followed by everyone according to the guidelines provided by the University and the local public health unit. The pandemic is a community problem and we all need to actively participate in a community solution. Restrictions may include but not be limited to a vaccination requirement, proper use of appropriate PPE, hand sanitation, social distancing and other measures. Failure to comply with restrictions that are in place at the time of the lecture / lab could result in the immediate cancelation of that lecture / lab. Students would still be responsible for learning the material that was to be covered in that lecture / lab regardless of the cancelation.

### 1.3 Final Exam

Final Exam scheduled December 9th, 7pm - 9pm, Location: TBA

Exam time and location is subject to change. Please see WebAdvisor for the latest information.

## 2 Instructional Support

### 2.1 Instructional Support Team

<b>Instructor:</b>	Katharine Wood
<b>Email:</b>	kwood@uoguelph.ca
<b>Telephone:</b>	+1-519-824-4120 x53695
<b>Office:</b>	ANNU 236
<b>Office Hours:</b>	By appointment

### 2.2 Teaching Assistants

<b>Teaching Assistant (GTA):</b>	Kortney Acton
<b>Email:</b>	acton@uoguelph.ca

<b>Office Hours:</b>	By appointment only
<b>Teaching Assistant (GTA):</b>	Emily Croft
<b>Email:</b>	ecroft@uoguelph.ca
<b>Office Hours:</b>	By appointment only
<b>Teaching Assistant (GTA):</b>	Koryn Hare
<b>Email:</b>	koryn@uoguelph.ca
<b>Office Hours:</b>	By appointment only
<b>Teaching Assistant (GTA):</b>	Pauline Kosmal
<b>Email:</b>	pkosmal@uoguelph.ca
<b>Office Hours:</b>	By appointment only
<b>Teaching Assistant (GTA):</b>	Carolina Reyes Rodriguez
<b>Email:</b>	greyesro@uoguelph.ca
<b>Office Hours:</b>	By appointment only
<b>Teaching Assistant (GTA):</b>	Melissa Williams
<b>Email:</b>	mwilli20@uoguelph.ca
<b>Office Hours:</b>	By appointment only
<b>Teaching Assistant (GTA):</b>	Amber Zupan
<b>Email:</b>	azupan@uoguelph.ca
<b>Office Hours:</b>	by appointment only

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## 3 Learning Resources

### 3.1 Required Resources

#### **Course materials will be provided on CourseLink. (Website)**

All lecture notes and lecture recordings will be posted on Courselink.

Please note that lecture recordings take approximately 24 hours to render on the Zoom cloud server, and therefore posting to Courselink will be delayed.

There is no required textbook for this course

#### **i. System and Internet Requirements (Other)**

##### ***System and Software Requirements***

*This course will use a variety of technologies including;*

- *CourseLink (main classroom)*
- *Zoom*
- *Respondus LockDown Browser (no camera needed)*

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>

*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.*

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

### **Technical Support**

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

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

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

***Support Hours (Eastern Time):***

*Monday thru Friday: 8:30 am–8:30 pm*

*Saturday: 10:00 am–4:00 pm*

*Sunday: 12:00 pm–6:00 pm*

**Zoom**

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

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

### 3.2 ii. 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.
- **Ask Your TA Discussion:** Use this discussion forum to ask questions of your instructor about 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 attempt to respond to your email within 24 hours. **Please e-mail the course email first at [agr2350@uoguelph.ca](mailto:agr2350@uoguelph.ca)**
- **Video Call:** If you have a complex question you would like to discuss with your instructor, you may book a video meeting appointment with your Instructor. Video meetings depend on the availability and are booked on a first come first served basis.
- **Office hours:** Instructor and TAs will be available for office hours by request. This will be facilitated via the courses ZOOM link, provided on Courselink

### 3.2 iii. Netiquette Expectations

#### iii. Netiquette Expectations

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

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

### 3.2 iv. 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/>

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## 4 Learning Outcomes

### 4.1 Course Learning Outcomes

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

1. Understand the basic structure of the industry and general production practices for all major livestock production species in Canada. Including topics relating to husbandry and management, nutrition, health, welfare, genetics, and reproduction of each of the major livestock species.
  2. Understand the role of livestock production systems in the Canadian and global economy.
  3. Understand and critically evaluate current issues facing livestock agriculture in Canada.
  4. Effectively communicate a position surrounding key issues in the livestock industry.
  5. Understand how new technologies can advance livestock production practices.
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## 5 Teaching and Learning Activities

The first lecture will commence on Thursday, Sept. 9th, beginning with a review of the course expectations

### **Topics covered in lecture include:**

- Importance of animal agriculture to our economy
- Historical context /background of animal agriculture
- Dairy production
- Beef production
- Livestock feeds and feeding
- Swine production
- Poultry production



- Small ruminant production
- Aquaculture
- Equine industry
- Alternative livestock
- Pet industry
- Career opportunities in animal productions

For each major livestock industry topics covered include: state of the industry, product supply and marketing, basic management, nutrition, reproduction, health and opportunities and challenges, and current issues

There will also be a number of guest lectures in this course. All material presented in class (including those from guest lecture) is considered testable material.

Lecture order is subject to change from the above list. All lecture materials will be posted to CourseLink, with the exception of guest lectures, which will be provided at the guest lecturer's discretion.

### 5.1 Lab Modules

<b>Online Lab Modules</b>		
<b>Week of:</b>	<b>Online Lab Modules:</b>	<b>In-Person Lab Modules:</b>
<b>Sept 13<sup>th</sup></b>	<b>No Lab</b>	<b>No Lab</b>
<b>Sept 20<sup>th</sup></b>	<b>Dairy</b>	<b>Feeds Lab</b>
<b>Sept 27<sup>th</sup></b>	<b>No Lab</b>	<b>Feeds Lab</b>
<b>Oct 4<sup>th</sup></b>	<b>Beef</b>	<b>Feeds Lab</b>
<b>Oct 11<sup>th</sup></b>	<b>FALL BREAK-NO LABS</b>	

<b>Oct 18<sup>th</sup></b>	<b>Sheep and Goats</b>	<b>Animal Physiology Lab</b>
<b>Oct 25<sup>th</sup></b>	<b>No Lab</b>	<b>Animal Physiology Lab</b>
<b>Nov 1<sup>st</sup></b>	<b>No Lab</b>	<b>Animal Physiology Lab</b>
<b>Nov 8<sup>th</sup></b>	<b>Swine</b>	<b>No Lab</b>
<b>Nov 15<sup>th</sup></b>	<b>Poultry</b>	<b>Livestock Tools Lab</b>
<b>Nov 22<sup>nd</sup></b>	<b>Aquaculture and Equine</b>	<b>Livestock Tools Lab</b>
<b>Nov 29<sup>th</sup></b>	<b>No Lab</b>	<b>Livestock Tools Lab</b>

## 5.2 Note

### Important Information for Labs

- Students will be expected to view all the videos/virtual tours in the links provided and complete the associated lab quiz each week. Quizzes will be 20 min in length and about 15-20 multiple-choice, true/false, matching, etc. questions. Students will only have one attempt at each lab quiz.
- The lab quizzes will only be open for the week in which they are assigned, and must be completed by the Sunday night of each week by 11:59 pm.
- Please do not leave completing the lab quiz until the last minute. Technical difficulties are not an excuse for not completing the lab quizzes on time.

### In-Person Lab Modules

**There will be three in-person lab modules to complete in the course (Feeds Lab, Animal Phys Lab, Livestock Tools Lab) To facilitate social distancing, you must sign-up on Courselink to attend the lab modules in the week before the scheduled lab modules start.**

**Note: Students are expected to follow University of Guelph protocols to attend labs in-person. These in-person lab modules will NOT be offered in a remote delivery format. In the event that University COVID policies shift towards remote delivery of all courses, these in-person labs will be recorded as a demonstration and be offered as a online module, similar to the other online lab modules. Please see Courselink for any changes regarding lab module delivery.**

## 6 Assessments

### 6.1 Marking Schemes & Distributions

Name	Scheme A (%)
Midterm Exam	25
Online Discussions (3 x 5% each)	15
Lab Quizzes (6 x 2.5% each)	15
Final Exam	30
Livestock Tech. Assignment	12
Attending in-person lab (3 x 1%)	3
Total	100

### 6.2 Assessment Details

#### Midterm Exam (25%)

**Date:** Thu, Oct 28, Online During Class Time

**Learning Outcome:** 1, 2, 3, 4, 5

Midterm will be online via the Respondus Lockdown Browser

Students who are unable to write during this time must contact the instructor via e-mail at least two days prior to the exam to arrange for an alternative time to complete the exam

### **Online Lab Module Quizzes (15%)**

**Date:** Various, Online

**Learning Outcome:** 1, 2, 3, 4, 5

6 online quizzes x 2.5% each

After you have viewed the video "virtual tours" for each week, you must complete the weekly online lab quiz (via Courouselink) associated with that module. Quizzes will be due by 11:59pm of the Sunday night of the week of the lab module

(See Lab Schedule for complete list of dates)

### **In-Person Lab Modules (3%)**

**Date:** Various, Lab

**Learning Outcome:** 1, 2, 3, 4, 5

3 labs x 1% each

See Lab Schedule for complete list of dates

### **Online Discussion (15%)**

**Date:** Various

**Learning Outcome:** 1, 2, 3, 4, 5

#### **Online Discussion (15% of final grade, 5% for each topic):**

- Students will be required to participate in three scholarly discussions on current hot-topics within the livestock industry. Students will be assigned to a forum board in CourseLink.
  - Topic one: Opens Monday Sept 27<sup>th</sup>, Closes Sun Oct 3<sup>rd</sup>
  - Topic two: Opens Monday Nov 1<sup>st</sup>, Closes Sun Nov 7<sup>th</sup>
  - Topic three: Opens Monday Nov 22<sup>nd</sup>, Closes Sun Nov 28<sup>th</sup>

Each topic is worth 5%:

- 3% will be for the student opening argument/position on the topic and should include support for their position.
- 2% will be awarded for participating in the discussion of other students

Please note that the discussion should remain academic in nature and civil. Any personal attacks or unsuitable language will result in a grade of zero for the topic

### **Final Exam (30%)**

**Date:** Mon. Dec. 14th 7-9pm

An in-person final exam has been requested, however if COVID restrictions are implemented, an online final exam via Respondus Lockdown Browser will be conducted

Exam time and location is subject to change. Please see WebAdvisor for the latest information.

### **Livestock Technology Assignment (12%)**

**Due:** Thu, Sep 23 - Sun, Oct 31, 11:58 PM

**Learning Outcome:** 1, 2, 3, 5

Hand in online via Dropbox

This assignment will be distributed on Courslink in the middle of Sept.

Please see Courselink for the latest information.

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## **7 Course Statements**

### **7.1 Grading Policies**

Completion of both examinations (midterm and final) is required to receive credit for the course. The course will follow Undergraduate Grading Procedures found under Grades for VIII. Undergraduate Degree regulations and Procedures in the undergraduate calendar.

Exam questions will be based **ENTIRELY** on the lectures and lab materials, and includes material presented by guest lecturers. The format of the exam will include short and long answer questions. Students may require a basic calculator for the exams, however cellular phones will not be permitted as a calculator. SAS students are encouraged to schedule their exams earlier in the day for the midterms and final so that Dr. Wood can visit the SAS exam centre and ask SAS students if they have questions. For students who have missed an exam, we reserve the right to change the format of the exam for students who miss the scheduled

midterm and final.

**Course policy regarding late submission of projects/assignments:** there are assigned due dates for students to hand in the major project. Marks will be deducted for **late assignments with a 10%-mark reduction for every day** the assignment is not handed in. Students will receive a zero for the assignment if the assignment has not been handed in within 5 days after the due date has passed, unless there are extenuating circumstances.

Any re-grading of assignments will be done by the course instructor, and assignments will be re-graded in its entirety. Therefore the grade may be higher, equal to, or lower than the originally assigned grade.

## 7.2 Course Policy regarding use of electronic devices and recording of lectures

**Electronic recording of classes is expressly forbidden without consent of the instructor. When recordings are permitted they are solely for the use of the authorized student and may not be reproduced, or transmitted to others, without the express written consent of the instructor. Any material from this course is not for external distribution, unless granted permission by the instructor**

# 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-reg-regchg.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, 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.

## 8.10 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).

## **8.11 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.

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