



**University
of Manitoba**

Department of Animal Science

Winter 2024

ANSC 0600 ANIMAL HEALTH AND WELFARE

Table of Contents

COURSE DETAILS.....	3
INSTRUCTOR CONTACT INFORMATION.....	3
GENERAL COURSE INFORMATION.....	4
INTENDED LEARNING OUTCOMES	4
USING COPYRIGHTED MATERIAL	4
RECORDING CLASS LECTURES	5
TEXTBOOK, READINGS, MATERIALS	5
COURSE TECHNOLOGY.....	5
CLASS COMMUNICATION.....	5
EXPECTATIONS: I EXPECT YOU TO	5
STUDENTS ACCESSIBILITY SERVICES	6
EXPECTATIONS: YOU CAN EXPECT ME TO	6
CLASS SCHEDULE.....	7
COURSE EVALUATION METHODS.....	7
GRADING	8
ASSIGNMENT DESCRIPTIONS	8

COURSE DETAILS

Course Title & Number:	ANSC 0600 Animal Health and Welfare
Number of Credit Hours:	3.0
Class Times & Days of Week:	1:00 – 2:15 pm on Tuesday and Thursday
Location for classes	108 Animal Science
Prerequisites:	ANSC 0420 or equivalent.

Instructor Contact Information

Instructor(s) Name:	Dr. George N. Gozho
Office Location:	226 Animal Science Building
Office Hours or Availability:	Open door policy – no appointment necessary but please call or email to confirm availability between 8:30 am and 4:30 pm.
Office Phone No.	204-474-9443
Email:	George.gozho@umanitoba.ca All email communication must conform to the Communicating with Students university policy. (Please familiarize yourself with the policy). Use the subject line to state the reason for your email and add the course number. This will help me to determine which emails need urgent attention quickly. I will respond within 36 hours during the week only. I do not check my work email over the weekend.
Contact:	Prefer in-person communication but e-mail and telephone communication is acceptable

Course Description

Students will learn to identify diseases common to commercial livestock and poultry species used in commercial agriculture in the Prairie Provinces and discuss control and prevention measures. Animal welfare issues that are common to these production systems will also be addressed. The impact of both animal health and animal welfare on livestock and animal products will also be discussed. The Prerequisite for this course is ANSC 0420. This is an introductory course in animal structure and function. It deals with genetics, growth and reproduction in farm animals, nutrition, and utilization of nutrients.

General Course Information

The course provides students in the diploma in agriculture program an opportunity to better understand animal health and welfare issues relevant to Manitoba and Canada. Discussions will focus on identifying sick animals from healthy animals and recognizing abnormal and normal animal behaviour in the context of the system of production (i.e. confinement etc.), age, and stage of production. Primary causes of animal diseases, symptoms and treatment of the conditions will be discussed. The impact of animal welfare on current and future production systems will be addressed. Biosecurity measures on the farm will also be discussed. Codes of Practice for the care and handling of farm animals developed by the National Farm Animal Care Council (NFACC) will be used to illustrate how animal production systems incorporate humane handling and care for animals and thus animal welfare. The impact of animal welfare on animal production and trade will be discussed. Biological principles of vaccination (i.e. live vs dead; prime and booster doses) will also be discussed. These concepts are essential for students to appreciate the importance of timely vaccinations to achieve the best protection against pathogens.

Intended Learning Outcomes

At the end of the courses, students should be able to:

- a) Describe health and disease in the context of health management.
- b) Describe the association of common diseases with suboptimum productivity or welfare.
- c) Describe the risk factors, causes, symptoms, interrelationships, and preventative management of common infectious diseases.
- d) Describe the basic animal welfare requirements and the implications of suboptimum animal welfare on animal performance and susceptibility to diseases.
- e) Identify the relative importance of common diseases of cattle, swine, and poultry in Canada.

Using Copyrighted Material

Please respect copyright. The content used in this course is appropriately acknowledged and copied according to copyright laws and university guidelines. Copyrighted works, including those created by guest lecturers or me, are made available for private study and research and must not be distributed in any format without permission.

Recording Class Lectures

Lecture material will not be recorded but PowerPoint slides will be uploaded to UMLearn.

Textbook, Readings, Materials

Required textbook.

There is no required text for this course.

Course Technology

Lecture notes will be posted on UMLearn, and students are encouraged to review and or print their own copy of the notes that they bring class. Hard copies of notes will **not** be provided to students. Laptops and tablets can be used to take notes during lectures. However personal direct electronic messaging / posting activities (email, texting, video or voice chat, wikis, blogs, social networking (e.g. Facebook) online and offline “gaming” during scheduled class time is not permitted. Anyone expecting to receive important telephone calls during the lecture should switch their cell phones to vibrate mode and leave the classroom upon reception of such calls to minimize disrupting class activities.

Class Communication

The University requires all students to activate an official University email account. For full details of the Electronic Communication with Students please visit:

[http://umanitoba.ca/admin/governance/media/Electronic Communication with Students Policy - 2014 06 05.pdf](http://umanitoba.ca/admin/governance/media/Electronic_Communication_with_Students_Policy_-_2014_06_05.pdf)

Please note that all communication between you as a student and myself must comply with the electronic communication with student policy:

(http://umanitoba.ca/admin/governance/governing_documents/community/electronic_communication_with_students_policy.html). You are required to obtain and use your U of M email account for all communication between yourself and the university.

Expectations: I Expect You To

- a) Attend class on time.
- b) Ask for help.
- c) Work together on assignment problems other than exams (but prepare your individual answers independently)
- d) To act in a civil, respectful, and responsible manner toward all members of the U of M community

Academic Integrity:

Plagiarism or any other form of cheating in the final examination, term tests or academic work is subject to serious academic penalty. Cheating in examinations or tests may take the form of copying from another student or bringing unauthorized materials into the exam room. Exam cheating can also include exam impersonation. A student found guilty of contributing to cheating in examinations or term assignments is also subject to serious academic penalty. Students should acquaint themselves with the University's policy on plagiarism, cheating, exam impersonation and duplicate submission (See the online calendar):

<https://catalog.umanitoba.ca/undergraduate-studies/general-academic-regulations/>

Students Accessibility Services

Student Accessibility Services

If you are a student with a disability, please contact SAS for academic accommodation supports and services such as note-taking, interpreting, assistive technology and exam accommodations. Students who have, or think they may have, a disability (e.g. mental illness, learning, medical, hearing, injury-related, visual) are invited to contact SAS to arrange a confidential consultation.

Student Accessibility Services <http://umanitoba.ca/student/saa/accessibility/>

520 University Centre

204 474 7423

[Student_accessibility@umanitoba.ca](mailto:student_accessibility@umanitoba.ca)

Expectations: You Can Expect Me To

- a) Attend and deliver lectures on time.
A large part of my teaching practice includes the use of PowerPoint presentations in class.
- b) Help you to understand the content and subject matter related to this course.
I expect students to either interrupt me or come and see me immediately after the lecture if there is anything that is not clear. I will help you as much as I can to succeed in this course.

Class Schedule

This schedule is subject to change at the discretion of the instructor and/or based on the learning needs of the students, but such changes are subject to Section 2.8 of the – [ROASS](#)- Procedure.

MONTH	DATE	UNIT/ TOPIC
Jan	9	Introductions and syllabus
	11	Signs of disease
	16	Infectious causes of diseases
	18	No class – Experiential learning
	23	No class – Experiential learning
	25	Infectious causes of diseases
	30	Administration of drugs
Feb	1	Test 1
	6	Immunity and vaccination
	8	Mastitis in Dairy Cattle
	13	Biosecurity
	15	Disease during breeding, pregnancy, and parturition
	19-23	Louis Riel Day & Winter Term Break
	27	Metabolic diseases
	29	Test 2
March	5	Animal Welfare
	7	Animal Welfare Cattle
	12	Animal Welfare – Swine
	14	Animal Welfare – Egg Farming
	19	Animal Welfare – Broiler Farming
	21	Test 3
	26	Humane Transportation of Animals
	28	The Impact of Stress on Meat Quality
April	2	Animal health products – residues, food safety
	4	Animal health products – residues, food safety

Course Evaluation Methods

Course evaluation components include a term test, two assignments and in-class participation.

Missed Exams

A missed test or assignment deadline will receive a zero score if proper procedures are not followed. Please familiarize yourself with the 'Self-Declaration for Brief or Temporary Student Absences' policy, procedures, and form found here:

[Self-Declaration for Brief or Temporary Students Absences](#)

Re-tests or late submission of assignment may not always be feasible. In such situations, I will suggest one or two solutions to you.

Due Date:	Assessment Tool	Value of Final Grade
February 1, 2024	Test 1	20%
February 29, 2024	Test 2	20%
March 19, 2024	Test 3	20%
TBA	Final examination	20%
	Attendance	8%
March 5, 2024	Assignment 1 Infectious Disease Factsheet	6%
April 2, 2024	Assignment 2 Animal Welfare Factsheet	6%

For class attendance, students will be evaluated based on whether they attend class or are absent. Attendance will be taken using iClickers.

Attendance will be based on the number of lectures attended using the following:

15 – 18 = 100% attendance 8%

14 – 17 = 75% attendance 6%

10 – 13 = 50% attendance 4%

6 – 9 = 25% attendance 2%

Grading

Indicate your grading scale. A sample is given below that you can adjust to your course expectations.

Letter Grade	Percentage out of 100	Grade Point Range	Final Grade Point
A+	92-100	4.25-4.5	4.5
A	84-91	3.75-4.24	4.0
B+	77-83	3.25-3.74	3.5
B	70-76	2.75-3.24	3.0
C+	65-69	2.25-2.74	2.5
C	60-64	2.0-2.24	2.0
D	50-59	Less than 2.0	1.0
F	Less than 50		0

Assignment Descriptions

This semester you will be doing individual assignments. Assignment 1 is a factsheet on an infectious disease that affects one of the major livestock species in Manitoba. Your choice of disease must affect cattle, swine, or poultry. The details and rubric for the assignment will be uploaded to UMLearn. The second assignment will be on topics that will also be provided in a separate document. The assignment will involve writing up a short fact sheet on some aspect of animal welfare or metabolic disease.