



Department of Animal Science

ANSC 0600 ANIMAL HEALTH AND WELFARE

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.....	8
GRADING	8
REFERENCING STYLE	ERROR! BOOKMARK NOT DEFINED.
ASSIGNMENT DESCRIPTIONS	9
ASSIGNMENT EXTENSION AND LATE SUBMISSION POLICY	ERROR! BOOKMARK NOT DEFINED.

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	Online class
Pre-Requisites:	ANSC 0420 or equivalent.

Instructor Contact Information

Instructor(s) Name:	George N. Gozho
Office Location:	226 Animal Science Building
Office Hours or Availability:	Open door policy – no appointment necessary but please call or e-mail 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 e-mail and add the course number. This will help me to quickly determine which e-mails need urgent attention. I will respond within 36 hours during the week only. I do not check my work e-mail over the weekend.
Contact:	Use e-mail communication or we can set up WebEx or Microsoft Teams meeting.

Course Description

This course will discuss the common livestock and poultry diseases of the Prairie Provinces. Emphasis will be placed on knowing the causes of the disease and how to prevent them through management and health programs. Animal welfare as it relates to commercial animal production will be discussed. Specialist in various fields of animal health will give invited lectures on some of the relevant issues affecting the livestock industry in Canada. 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 will in farm animals as well as nutrition and utilization of nutrients.

General Course Information

The course provides an opportunity to students in the diploma in agriculture program to have a better understanding of animal health and welfare issues relevant to Manitoba and Canada. Discussions will focus on identifying sick animals from healthy animals, recognizing abnormal and normal animal behaviour in the context of the system of production (i.e. confinement etc), age, and stage of production. Basic causes of animal diseases, symptoms and treatment of the diseases will be discussed. The impact of animal welfare on current and future production systems will be discussed. Biosecurity measures on 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 important for students to gain an appreciation of the importance of timely vaccinations in order 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 is copied in accordance with copyright laws and university guidelines. Copyrighted works,

including those created by me, are made available for private study and research and must not be distributed in any format without permission.

Recording Class Lectures

No audio or video recording of lectures or presentations is allowed in any format, openly or surreptitiously, in whole or in part without explicit permission from me. Course materials (both paper and digital) are for your private study and research.

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.

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 Section 7 in the online calendar: [http://webapps.cc.umanitoba.ca/calendar11/Academic Regulations.pdf](http://webapps.cc.umanitoba.ca/calendar11/Academic%20Regulations.pdf))

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

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	5	Introductions and syllabus
	7	Signs of disease
	12	Infectious causes of diseases
	14	Infectious causes of diseases
	19	Mastitis
	21	Breeding, pregnancy & parturition
	26	No classes
	28	Immunity and vaccination
Feb	2	Administration of drugs
	4	Metabolic diseases
	9	Biosecurity
	11	Midterm Test
	15	No classes (Louis Riel Day)
	16-19	Midterm Break
	23	Animal health products – residues, food safety
	25	Animal Welfare and Housing
Mar	2	Humane Transportation of animals
	4	Animal Welfare – Cattle
	9	Animal Welfare – Swine
	11	Animal Welfare – Poultry
	16	The impact of Stress on Meat Quality
	18	Emerging (exotic) Diseases and impact on the industry
	23	Class Presentations (20 min per group)
	25	Class Presentations (20 min per group)
	30	Course review

Course Evaluation Methods

Course evaluation components include a term test, two pop quizzes and group assignment and a final examination.

Missed Exams

A missed exam will receive a score of zero unless the student provides a medical certificate giving the reason for missing the exam.

Due Date:	Assessment Tool	Value of Final Grade
February 13, 2020.	Term Test	35%
Unannounced	2 Pop up quiz	15%
March 19, 24, 2020	Group Presentation	15%
University Final Exam schedule	Final Examination	35%

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

Students will be required to work in pairs. You must either

- a) select an infectious disease and prepare a 15-minute PowerPoint presentation on the causes, symptoms, treatment and prevention of the disease. You must also state the types of livestock that are commonly affected by the disease; or
- b) select an animal welfare issue for a specific livestock species. You will be expected to describe the animal welfare issue and how it affects animal health and productivity. You can describe how widespread the issue is within the industry of your choice and also mention whether there are efforts within the industry to find lasting solutions

Assessment criteria: Topic Presentations

The following parameters will be used in evaluating your presentation:

- 1. Length of presentation**
 - a. Total of 20 minutes broken down into 15 minutes of presentation and 5 minutes of questions and discussions
- 2. Quality of presentation**
 - a. Quality of slides
 - b. Organization of presentation
 - c. Delivery of presentation
- 3. Demonstration of in - depth understanding of the subject matter**
 - a. Inclusion of relevant information
 - b. Attempts to critically comment on the subject matter
 - c. Not afraid to speculate
- 4. Ability to stimulate discussion and to answer questions**
- 5. Please note the following:**
 - a. Presentation must focus on what happens on a commercial farm
 - b. Presentation outline must be submitted to the instructors by March 4, 2020

Missed Assignments

Missed assignments and quizzes which will be given a score of zero, and that zero score will be used to calculate the overall average for assignments.