



**University of Manitoba
Faculty of Agricultural and Food Science
Department of Animal Science**

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COURSE DETAILS

Course Title & Number:	ANSC 2500 Animal Production
Number of Credit Hours:	3
Class Times & Days of Week:	8:30 Tuesday and Thursday
Location for classes/labs/tutorials:	Class held in 172 Agriculture T, W, R labs in 220 Animal Science Building
Pre-Requisites:	AGRI 1510 Production, Distribution and Utilization of Agricultural Products

Instructor Contact Information

Instructor(s) Name:	Dr. George Gozho
Preferred Form of Address	Dr. Gozho
Office Location:	226 Animal Science Building
Office Phone No.	Phone: 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 to expedite responses where urgent response is appropriate. I will not respond to emails that address me as 'Hey You' or 'Hi There' Email response may take up to 36 hours during weekdays. I do not read work-related e-mails during the weekend and therefore if you send an email on Friday afternoon or over the weekend you will most likely get a response no earlier than the following Monday or Tuesday. I rather prefer in person communication where possible.
Office Hours or Availability:	Generally, open door policy but best to schedule an appointment
Contact:	I encourage you to come to my office, or approach me immediately before or after class if you have something that you want to discuss. Use email communication only when absolutely necessary. You are also welcome to call me and leave a message on the office phone if I am not available.

Course Description

Built on concepts introduced in AGRI 1500 and AGRI 1510, by elaborating on the basic essentials of animal production.

Animal production plays an important role in Canadian agricultural production by supplying a means to efficiently move primary biomass production to market in a highly palatable form, high in protein, as well as providing fibre, leather, pharmaceuticals and other animal by-products. Increased production efficiency, development of new animal products or animal by-product opportunities, and sustainable directions will be needed to ensure competitive animal production for the coming years. This course will describe current production and production practices as well as discuss some of the future opportunities that may occur in animal production.

General Course Information

This course is used to give non-animal science majors a broad perspective of the major animal industries in Canada and it focuses on general biological factors that influence animal production. It is also an integral component of the animal systems program and is a pre-requisite to more advanced animal production courses especially for students without an agricultural background.

Course Goals

This course provides animal systems students with the foundation to succeed in advanced animal science courses. It also gives a broad perspective on the major animal agriculture industries in Canada with an emphasis on the biology of growth, reproduction and nutrition that is designed to be comprehensible to non-animal systems students.

Intended Learning Outcomes

At the end of the course, students will:

Develop a basic understanding of the main livestock species farmed in Canada

Be able to identify the main breeds of livestock that are commonly used in Canada

Describe basic management techniques for all species of livestock discussed

Describe contributions of livestock animals to the human population and national economy

Using Copyrighted Material

Please respect copyright. Copyrighted content is used in this course. The content used is appropriately acknowledged and is copied in accordance with copyright laws and University guidelines. Copyrighted works, including original creations by the instructor, are made available for private study and research and must not be distributed in any format without permission. Do not upload copyrighted works to a learning management system (such as UM Learn), or any website, or App, unless an exception to the *Copyright Act* applies or written permission has been confirmed. For more information, see the University's Copyright Office website at <http://umanitoba.ca/copyright/> or contact um_copyright@umanitoba.ca.

Recording Class Lectures

The Course Instructor holds copyright over the course materials, presentations and lectures, which form part of this course. **No audio or video recording of lectures or presentations is allowed in any format, openly or surreptitiously, in whole or in part without permission.** Course materials (both paper and digital) are for the participant's private study and research.

Textbook, Readings, Materials

There is no required textbook for the course. However the following textbooks on animal production will help non animal science students to better understand some of the concepts.

- a) **Thomas G. Field and Robert E. Taylor. 2016. Scientific Farm Animal Production 11th Edition** Pearson Prentice Hall (Sciences and Technology Library Fifth Floor SF 61 T39)
- b) John R. Campbell, Douglas M. Kenealy and Karen L. Campbell. 2003. *Animal Sciences: The Biology, Care, and Production of Domestic Animals*. 4th Edition. Waveland Press, Inc.

Course Technology

My policy on cell phones, laptops etc. is that students should refrain from any behavior that may be distracting to other students. Therefore avoid the use of cell phones and keep your laptop on the class lectures rather than using it for other purposes during class. Class notes will be posted on UMLearn. Lab assignments will must be completed and handed in at the end of each lab session unless stated otherwise by the TA.

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 myself and you as a student 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

Be courteous and civil to me and to your fellow students.

Expectations: You Can Expect Me To

Be respectful of your opinions, questions and response to questions.

Make every reasonable effort to answer your questions,

Mark your tests in a fair, equitable and prompt fashion.

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

Important dates

For a complete list of important dates, please see 'Important Dates and Deadlines' under Registrar's Office (Student Affairs) on the university website: <http://umanitoba.ca/student/records/deadlines/>

General Dates

- | | |
|-----------------------------------|------------------------|
| a) Last Course Drop Date: | September 17, 2019 |
| b) Last Course Add Date: | September 19, 2019 |
| c) Fees Payment Deadline | October 2, 2019 |
| d) Thanksgiving Day (No classes): | October 14, 2019 |
| e) Remembrance Day (No classes): | November 11, 2018 |
| f) Midterm Break (No classes): | November 12 – 15, 2019 |
| g) Last Day of classes: | December 6, 2019 |

Course Specific Dates

- | | |
|--------------|--|
| Term Test 1: | 8:30 October 15 th (25% of final grade) |
| Term Test 2: | 8:30 November 7 th (25% of final grade) |

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.

Date	Class Content	Laboratory schedule	Evaluation
Sept 5	Course syllabus		
Sept 10	Overview of the Livestock Industry in Canada		
Sept 12	Anatomy of the Reproductive System of Farm Animals		
Sept 17	Reproduction in Farm Animals	Reproductive system	Yes
Sept 19	Lactation	Reproductive system	
Sept 24	Nutrients and Their Functions	Feed Identification	Yes
Sept 26	Nutrients and Their Functions	Feed Identification	
Oct 1	Digestion and Absorption of Feed	GIT & Feed processing	Yes
Oct 3	Providing Nutrients for Body Functions	GIT & Feed processing	
Oct 8	Egg Production	Egg lab	Yes
Oct 10	Growth and Development	Egg lab	
Oct 15	Test	No lab	Test 1 (25%)
Oct 17	Growth and Development	No lab	
Oct 22	Adaptation to the Environment	Carcass grading	Yes
Oct 24	Adaptation to the Environment	Carcass grading	
Oct 29	Animal Welfare		
Oct 31	Animal Welfare		
Nov 5	Beef Industry	Beef Industry	
Nov 7	Test 2	Beef Industry	Test 2 (25%)
Nov 11	Remembrance Day	No classes	
Nov 12-15	Midterm break	No classes	
Nov 19	Feed Manufacture	Diet Formulation	Yes
Nov 21	Feeding Ruminant and Monogastric Species	Diet Formulation	
Nov 26	Nutritional Management of Dairy Cows	Dairy Lab	Yes
Nov 28	Waste From Animal Production	Dairy Lab	
Dec 3	Waste From Animal Production		
Dec 5	Course review		

Course Evaluation Methods

This course relies only on tests as a grading mechanism. There will be two term tests, an open book lab exam and a final exam.

Due Date:	Assessment Tool	Value of Final Grade
8:30 October 15	Term Test 1	25%
8:30 November 7	Term Test 2	25%
TBA	Lab assignments	20%
Date to be determined	Final Exam	30%

Grading

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

Letter Grade	Percentage out of 100	Final Grade Point
A+	92-100	4.5
A	85-91.9	4.0
B+	78-84.9	3.5
B	70-77.9	3.0
C+	62-69.9	2.5
C	55-61.9	2.0
D	50-54.9	1.0
F	Less than 50	0

Test Descriptions

Term tests will be made up of multiple choice and short- answer questions. The final will be a closed-book cumulative examination.

Assignment Grading Times

Generally your test and other assignments will be marked and returned to you within one week. However, the turnaround time depends on the marker/ grader. Marks will not be uploaded to UMLearn until the last week of term and students must collect their assignments to know their marks. Additionally, students have one week following the return of an assignment or test in which to have the marks amended.

Missed tests

Missing tests is only allowed for medical or emergency situations. Advice will be sought from the Office of the Associate Dean (Academic) to determine the validity of the reasons for missing the test. If the reasons are deemed genuine, a different test will be made for the student to write.