



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

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COURSE DETAILS

Course Title & Number:	Beef Production– ANSC 0670
Number of Credit Hours:	3
Class Times & Days of Week:	Monday, Wednesday, Friday 1:30 - 2:20 p.m.
Labs:	Friday 2:30 - 3:45 p.m.
Location for classes/labs/tutorials:	Online – Virtual: Links for lectures and labs will be posted in UMLearn

Instructor Contact Information

Instructor(s) Name:	Gwen Donohoe
Office Location:	Room 151 Animal Science Building
Office Hours or Availability:	1:00 to 1:30 p.m. Monday, Wednesday, Friday 2:30 to 3:00 p.m. Monday and Wednesday
Cell Phone No.	204-803-5940
Email:	Gwendolyn.Donohoe@umanitoba.ca All email communication must conform to the Communicating with Students university policy.
Contact:	You are welcome to contact me in person, by phone or email during the time outlined above.

Course Description

To provide an appreciation of the industry in terms of size, complexity and relationship to the economy and give an understanding of the breeding, feeding, management and marketing strategies for modern beef production systems.

Course Goals

To gain an understanding of the scope of Manitoba's beef industry in relation to the Canadian and North American beef industries

To gain an understanding of the breeding, feeding, management and marketing strategies for modern beef production systems

To gain an understanding of the issues currently facing beef producers in Manitoba

Using Copyrighted Material

Please respect copyright. For more information, see the University's Copyright Office website at <http://umanitoba.ca/copyright/>.

Recording Class Lectures

Gwen Donohoe and the University of Manitoba hold 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

Required textbook – none required.

Course Technology

All classes and labs will be held virtually. Students will be required to participate in lectures and labs using the requested technology including Zoom, Blue Jeans, or Webex virtual meeting software with cameras on when possible. Student should refrain from behaviour that is distracting to other students. Please avoid the use of cell phones and keep your lap-top on the class lecture material rather than using it for other purposes.

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/governing_documents/community/electronic_communication_with_students_policy.html

Expectations: I Expect of You

Be respectful to me and your fellow classmates. Participate in lectures and labs with your camera on when possible. Ask questions when you are unsure.

Academic Integrity:

Schedule "A" Policies and Resources

Students Accessibility Services (SAS)

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/accessibility/index.html>

520 University Centre

204 474 7423

Expectations: You Can Expect Me To

Be respectful of your questions and make every reasonable effort to answer them
Provide feedback on tests and assignments in a fair, equitable and prompt fashion.

Class Schedule

This schedule is subject to change at the discretion of the instructor and/or based on the learning needs of the students.

Ruminant meat industry (approximately 4 lectures)

- BSE and its impact on the beef industry
- industry profile

Cow-calf production systems (approximately 11 lectures)

- breeds
- selection and evaluation of cows and bulls
- breeding systems
- artificial insemination/embryo transfer
- biological phases of the cow
- winter feeding of the cow
- cow-calf health
- calf management

Backgrounding and stocker operations (approximately 4 lectures)

- nutrition
- forage preservation
- pasture management

Finishing cattle (approximately 9 lectures)

- nutrition
- feed additives
- implant strategies
- facilities and handling
- carcass evaluation and grading

Marketing options (approximately 2 lectures)

Issues in today's beef industry (approximately 2 lectures)

Lab Schedule (subject to change based on presenters availabilities)

Date	Activity
January 7	Feed stuff identification
January 14	Ration formulation – hand calculations
January 21	No lab – Dipomla experiential learning activities
January 28	Cowbytes ration formulation software tutorial and introduction to assignment
February 4	Cowbytes ration formulation – Q&A and work assignment (no marks)
February 11	Verified Beef Production Program
February 18	Virtual Tour: Backgrounding Operation
March 4	Virtual Tour: Feedlot
March 11	Virtual Tour of Glenlea Research Station – demonstration of implanting, vaccination, dehorning, castration
March 18	Virtual Tour: Pure Bred Operation
March 25	Manitoba Agriculture – Virtual Processing Plant Tour
April 1	Virtual Tour: Small Commercial Operation

Course Evaluation Methods

A variety of evaluation methods will be used to give all types of learners an opportunity to excel. The purpose of all tests and assignment is to develop your critical thinking skills and prepare you for a career on- or off-farm.

Evaluation Procedure:

Participation Marks	-	10%	(10 pop quizzes throughout the term)
Midterm I	-	15%	(February 9)
Ration assignment	-	15%	(Due February 28)
Midterm II	-	15%	(March)
Weekly lab assignments	-	10%	(10 labs will have participation assignments)
Final exam	-	35%	(Date to be scheduled by University)

Grading

Letter Grade	Percentage out of 100	Grade Point Range	Final Grade Point
A+	95-100	4.25-4.5	4.5
A	86-94	3.75-4.24	4.0
B+	80-85	3.25-3.74	3.5
B	72-79	2.75-3.24	3.0
C+	65-71	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

Test Descriptions

Tests this term will be open book and will be primarily long answer, scenario-based questions.

Assignment Grading Times

I will generally have your test marks back within two weeks of writing the test.

Late Submission/Missed Test Policy

Missing tests are only allowed for medical or emergency situations. **Late assignments will be reduced in value by 10%/day.**

Important Dates for 2022

January 28 – Last day to drop classes without penalty

January 20 to 24 – no classes

January 31 – last day to register/registration changes

February 21 to 25 – Mid Term Break

March 17 - Last date for Voluntary Withdrawal without academic penalty

April 6 - Last day of classes

Exam Period – April 7 to 19