



EQN*3070 Equine Health Management

Fall 2019

Section(s): C01

Department of Animal Biosciences

Credit Weight: 0.50

Version 1.00 - August 30, 2019

1 Course Details

1.1 Calendar Description

This course asks the equine student to apply principles of management to knowledge of the equine industry, equine facility design, biological systems and equine anatomy and physiology. The role of management in the optimization of the health of the horse is critical to success in the industry. Fundamental principles of horse health will be introduced including important indicators of individual and herd health, record keeping and the role of management in disease causation. Application of current, scientifically based management principles and techniques will ask the student to develop both proactive and reactive decision making skills in the context of equine health management.

Pre-Requisites:

EQN*2040

Restrictions:

Registration in BBRM.EQM

1.2 Course Description

This course asks the equine student to apply principles of management to knowledge of the equine industry, equine facility design, biological systems and equine anatomy and physiology.

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causation. Application of current, scientifically based management principles and techniques will ask the student to develop both proactive and reactive decision-making skills in the context

of equine health management.

1.3 Timetable

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

Lectures: Mon, Wed, Fri 1:30pm - 2:20am ANNU, room 030

Lab: Friday 2:30pm - 5:20pm ANNU Room 110

1.4 Final Exam

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

Final Exam Monday December 9th, 2019, 8:30AM - 10:30AM, Location: TBA

2 Instructional Support

2.1 Instructional Support Team

Instructor: Nicola Cribb
Email: ncribb@uoguelph.ca

3 Learning Resources

3.1 Required Resources

Anatomy of the Horse (Textbook)

Aaron Horowitz and Rolf Berg - Budras, Sack, Rock. 6th edition

Infectious Diseases of the Horse: Diagnosis, pathology, management, and public health (Textbook)

Kolk, Kroeze. 1st edition

3.2 Additional Resources

Equine Infectious Diseases (Textbook)

Sellon. Long 2nd

4 Learning Outcomes

4.1 Course Learning Outcomes

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

1. Identify best management practices that support equine health and prevent disease.
2. Appreciate the importance of keeping records.
3. Understand the role of the veterinarian in equine health and disease.

4. Recognize environmental risk factors for disease.
 5. Understand and be able to implement a complete and effective herd health program.
 6. Be able to recognize symptoms of common equine disease states and understand appropriate management responses.
 7. Perform a first aid assessment and follow an emergency action plan.
 8. Plan for emergency situations and unusual health circumstances.
 9. Complete the Livestock Medication Certification course.
 10. Appreciate the importance of periodic review and assessment of equine health performance targets.
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5 Teaching and Learning Activities

There will be, in general, 2 formal lectures given per week. During the third lecture period, students will meet and work in small groups of students. Students will be expected to meet in person during the designated lecture period time. Groups will also set up a fictional barn, creating a Facebook group with the TA and instructor as members. The third lecture period is to be used to work on the following weekly assignments:

- An assignment (See Assignments below) will be given to the student groups, asking the groups to complete a fact sheet, SOP etc., researching material coming up in the course. Students will be graded on assignments based on science based responses, design, and language used. Assignments will be due the following Friday, one assignment submitted per group, but students can work ahead and submit in advance if desired. Late assignments will not be accepted and will be given a 0 grade. Assignments should be submitted via course link Drop Box.
- Alternately, student quad groups may also be asked to respond to a scenario at their fictional barn (See Responses below). Responses to scenarios will be graded based on

speed of response, professionalism, accuracy of information. Responses will remain

open until the following Friday and may involve multiple interactions with the instructor/TA in the barn Facebook private group.

- Format references for assignments and responses using the style of the Equine Veterinary Journal. See:
[http://onlinelibrary.wiley.com/journal/10.1001/\(ISSN\)2042-3306/homepage/ForAuthors.html](http://onlinelibrary.wiley.com/journal/10.1001/(ISSN)2042-3306/homepage/ForAuthors.html)

5.1 Lecture

Date of first lecture: Friday September 6, 2019

Topics: 1. Introduction

Intro to Course

Week 1

Topics: Intro

Lecture 1: Introduction to health management

Lecture 2: Health management and record keeping

Week 2

Topics: Individual care

Lecture 1: Individual horse health care.

Lecture 2: Acute injuries and wound care.

Week 3

Topics: Lameness

Lecture 1: Lameness and footcare.

Lecture 2: Lameness and footcare.

Week 4

Topics: GI Health

Lecture 1: Equine alimentary system: anatomy and function.

Lecture 2: Equine alimentary system: nutrition.

Week 5

Topics: Behaviour & pasture

Lecture 1: Equine alimentary system: dental care

Lecture 2: Interaction between behaviour and health management

Week 6

Topics: Mid-term examination

NO LECTURE MONDAY- THANKSGIVING_

Midterm examination. Multiple choice in class plus take home assignment

Week 7

Topics: Infectious disease and pasture management

Lecture 1: Pasture management

Lecture 2: Clinical signs and symptoms of infectious diseases

Week 8

Topics: Parasites and vector control

Lecture 1: Equine parasite control programs and review of parasites

Lecture 2: Vector control on farm and the role in disease transmission (ticks, mosquitoes, flies)

Week 9

Topics: Vaccinations

Lecture 1: Vaccinations and screening protocols

Lectuer 2: Perinatal mare and foal care

Week 10

Topics: Housing

Lecture 1: Housing and equine biosecurity

Lecture 2: Housing and Emergency Action Plans

Week 11

Topics: Medications and alternative therapy

Lecture 1: Medications

Lecture 2: Alternative therapy

Week 12

Topics: Differing roles

Lecture 1: Understanding your role: what is vet med and what isn't? Maximizing impact on health in your role in the horse industry

Lecture 2: Bringing it all together: complete herd health program

5.2 Lab

Week 1

Topics: Record keeping

Herd health scenarios record-based training

Week 2

Topics: Horse Health Check
Hands on practical assessment.

Week 3

Topics: Lameness laboratory

Basic recognition of abnormalities when looking at limbs, looking at lameness.

Week 4

Topics: Anatomy lab

Hands on practical lab - anatomy on live horses

Week 5

Topics: Wounds lab

Hands on lab with wounds and bandaging techniques

Week 6

Topics: Livestock Medicines Certificate

Attendance mandatory

Week 7

Topics: Livestock Medicines Certificate

Attendance mandatory

Week 8

Topics: Anatomy lab

Cadaver limbs

Week 9

Topics: Tour of Animal Health Laboratory

Attendance mandatory

Week 10

Topics: Tour of OVC isolation facility

Interactive

Week 11

Topics: Interactive EAP and complete herd health program

6 Assessments

6.1 Marking Schemes & Distributions

Name	Scheme A (%)
Assignment 1	4
Assignment 2	4
Assignment 3	4
Assignment 4	4
Assignment 5	4
Assignment 6	4
Assignment 7	4
Assignment 8	4
Assignment 9	4
Response 1	4
Response 2	4
Mid-Term Exam	16
Attendance at the Livestock Medicines COurse	10
Final Exam	30
Total	100

6.2 Assessment Details

Assignment 1 (4%)

Date: Mon, Sep 9

Group-based fictional barn

Assignment 2 (4%)

Date: Mon, Sep 16

Importance of keeping records.

Assignment 3 (4%)

Date: Mon, Sep 23

SOP for lameness management practices

Assignment 4 (4%)

Date: Mon, Sep 30

Identify best management practices supporting equine health.

Assignment 5 (4%)

Date: Mon, Oct 7

Be able to recognize symptoms of common equine disease states and understand appropriate management responses.

Assignment 6 (4%)

Date: Mon, Oct 21

Perform a first aid assessment

Assignment 7 (4%)

Date: Mon, Oct 28

Perform an environmental assessment

Understand and be able to implement a complete and effective herd health program.

Assignment 8 (4%)

Date: Mon, Nov 11

Understand and be able to implement a complete and effective herd health program

Assignment 9 (4%)

Date: Mon, Nov 18

Plan for emergency situations and unusual health circumstances.

Response 1 (2%)

Date: Fri, Oct 18

Identify best management practices that support equine health and prevent disease.

Response 2 (2%)

Date: Fri, Nov 8

Identify best management practices that support equine health and prevent disease.

Mid-Term Exam (16%)

Date: Wed, Oct 16

Attendance at the Livestock Medicines Course (10%)

Date: Fri, Oct 18 - Fri, Oct 25

Final Exam (30%)

Date: Mon, Dec 9, 8:30 AM - 10:30 AM

7 Course Statements

7.1 Grading Policy

Assignments are to be submitted on time, and will be electronic. Submissions should be made to the course instructor via email. In the case of "barn events" assignments, the instructor will

grade the responses based on discussions on Facebook within the quad group. Late submissions for assignments will not be accepted and will receive a “0” grade. The midterm assignment if submitted late will receive a demerit of 5% per day (any portion of 24 hours) late. 3 days past the due date, assignments will no longer be accepted and a zero score will be given.

7.2 Groupwork Policy

For group assignments, one assignment will be submitted per group. Students are expected to contribute equally on group assignments. The same grade will be given to each group member for the assignments.

For responses via Facebook, students will be graded individually, but will be expected to add to the discussion meaningfully (i.e., not repeating a similar response as another student in their small group). It is recommended that groups plan out their responses together, allowing all members equal opportunity to respond, presenting a clear science based discussion for or against the situation presented.

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>
