

Course Outline Form: Fall 2017

General Information

Course Code: ANSC 2330

Course Title: Horse Management Science

Course Description:

This course is designed to introduce equine science to the student. The course objective is to familiarize students with a variety of aspects of equine science including the evolution, genetics, reproduction, anatomy, physiology and nutrition of the horse and how these relate to the sustainable management of horses.

Credit Weight: 0.50

Academic Department (or campus): Department of Animal Biosciences

Campus: Guelph

Semester Offering: F17

Class Schedule and Location: Monday, Wednesday and Friday, 11:30AM - 12:20PM GRHM Room 2310

Instructor Information

Instructor Name: Laura Graham

Instructor Email: lgraha01@uoguelph.ca

Instructor Phone and Extension: 519-824-4120 ext. 58355

Office location and office hours: ANNU 214

GTA Information

GTA Name: Emily Leishman

GTA Email: eleishma@mail.uoguelph.ca

GTA office location and office hours: N/A

Course Content

Specific Learning Outcomes:

By the end of the course the students should be able to:

- 1) Relate the evolution of the equine form to evolutionary pressures ancestral equids were exposed to
- 2) Identify the various members of the Equid family
- 3) Describe various aspects of the anatomy and physiology of the domestic horse and identify associated health issues
- 4) Explain the relationship between equid genetics and breeding objectives
- 5) Describe the aspects of managing reproduction in horses
- 6) Describe the digestive physiology of the horse and explain how it affects the nutritional management of the horse
- 7) Apply the principles of sustainable horse management to a real-life situation in the form of a case study of a local horse farm.
- 8) Practice good teamwork to accomplish a goal
- 9) Review and organize information about a specific aspect of equine science
- 10) Summarize and present information in the form of a PowerPoint presentation to their peers

Lecture Content:

Week	Date	Topic
1	Sep 8	Course introduction
2	Sep 11, 13, 15	Evolution, domestication, breeds, working in groups workshop
3	Sep 18, 20, 22	Musculoskeletal anatomy and physiology
4	Sep 25, 27, 29	Conformation, musculoskeletal injuries, sensory anatomy and physiology
5	Oct 2, 4, 6	Nutritional anatomy and physiology, nutrition management, body condition scoring
6	Oct 9	Thanksgiving – no classes
7	Oct 11,13	genetics
8	Oct 16, 18, 20	Genetics cont'd, midterm, cardiovascular anatomy and physiology,
9	Oct 23, 25, 27	Stable management, sustainable horse keeping – introduction to case study, barn visit
10	Oct 30, Nov 1, 3	Respiratory anatomy and physiology, respiratory diseases
11	Nov 6, Nov 8,	The immune system and vaccines, exercise physiology

Week	Date	Topic
	10	
12	Nov 13, 15, 17	Reproductive anatomy and physiology, reproductive management
13	Nov 20, 22, 24	Student presentations
14	Nov 27, 29	Student presentations
	TBA	Final Exam

Labs:

N/A

Seminars:

N/A

Course Assignments and Tests:

Assignment or Test	Due Date	Contribution to Final Mark (%)	Learning Outcomes Assessed
Midterm Exam	Oct 18, 2017; in class	30	1, 2, 3, 4, 5, 6
Final Exam cumulative	Dec. 9, 2017	35	1, 2, 3, 4, 5, 6
Group Presentations	Nov. 17 – Dec. 1, 2017	25	7, 8, 9, 10
Case Study	Dec. 1, 2017	10	7

Additional Notes:

The principle method of presentation will be lectures. Several guest speakers have been invited to give lectures in their area of expertise. Students are expected to attend class and take complete notes. Class material will also be supplemented through required readings available on Courselink and a field trip.

Final examination date and time:

December 9, 2017 at 7:00 p.m. – 9:00 p.m.

Final exam weighting:

35%

Course Resources

Required Texts:

N/A

Recommended Texts:

N/A

Lab Manual:

N/A

Other Resources:

Required Readings and other resources will be made available on Courselink and on reserve at the Library

Field Trips:

The field trip will be to the Large Animal Facilities at the Ontario Veterinary College and will be during the lecture time slot – date to be determined

Additional Costs:

N/A

Course Policies

Grading Policies:

Any student who claims medical, psychological or compassionate grounds as a reason for missing an examination (midterm) MUST obtain appropriate certification as outlined in the Undergraduate Calendar under Section VIII: Undergraduate Degree Regulations and Procedures – Academic Consideration and Appeals. Once the documentation is approved by the Instructor or Department Chair, a student with appropriate certification will be granted an exemption from the midterm. There will not be any deferred midterm exam. The mark for an exempted midterm will be proportionally equivalent to the final exam mark as compared to the class average. If there is no adequate excuse for absence from a midterm, a mark of zero will be awarded. Suspected cases of academic misconduct and plagiarism will be reported to the Dean, Ontario Agricultural College.

Course Policy on Group Work:

The mark for the presentation will be proportionally equivalent to the peer review by the student's group of the student's contribution to the group presentation. Any student who claims medical, psychological or compassionate grounds as a reason for missing the group presentation MUST obtain appropriate certification as outlined in the Undergraduate Calendar under Section VIII: Undergraduate Degree Regulations and Procedures – Academic Consideration and Appeals. Once the documentation is approved by the Instructor or Department Chair, a student with appropriate certification will be granted an exemption from the group presentation. If there is no adequate excuse for absence from the group presentation, a mark of zero will be awarded. Suspected cases of academic misconduct and plagiarism will be reported to the Dean, Ontario Agricultural College.

Course Policy regarding use of electronic devices and recording of lectures:

Students are welcome to use electronic devices such as laptops or audio recording devices for note taking in class. However, students must get written permission from the instructor to video lectures.

University Policies**Academic Consideration:**

The University of Guelph is committed to supporting students in their learning experiences and responding to their individual needs and is aware that a variety of situations or events beyond the student's control may affect academic performance. Support is provided to accommodate academic needs in the face of personal difficulties or unforeseen events in the form of Academic Consideration.

Information on regulations and procedures for Academic Consideration, Appeals and Petitions, including categories, grounds, timelines and appeals can be found in [Section VIII \(Undergraduate Degree Regulations and Procedures\) of the Undergraduate Calendar](#).

Academic Misconduct:

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 discourages misconduct. 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.

Detailed information regarding the Academic Misconduct policy is available in [Section VIII \(Undergraduate Degree Regulations and Procedures\) of the Undergraduate Calendar](#).

Accessibility:

The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact the Student Accessibility Services (SAS), formerly Centre for Students with Disabilities (CSD), as soon as possible.

For more information, contact SAS at 519-824-4120 ext. 56208 or email sas@uoguelph.ca or visit the [Student Accessibility Services website \(http://www.uoguelph.ca/csd/\)](http://www.uoguelph.ca/csd/).

Course Evaluation Information:

End of semester course and instructor evaluations provide students the opportunity to have their comments and opinions used as an important component in the Faculty Tenure and Promotion process, and as valuable feedback to help instructors enhance the quality of their teaching effectiveness and course delivery.

While many course evaluations are conducted in class others are now conducted online. Please refer to the [Course and Instructor Evaluation Website](#) for more information.

Drop period:

The drop period for single semester courses starts at the beginning of the add period and extends to the Fortieth (40th) class day of the current semester (the last date to drop a single semester courses without academic penalty) which is listed in [Section III \(Schedule of Dates\) of the Undergraduate Calendar](#).

The drop period for two semester courses starts at the beginning of the add period in the first semester and extends to the last day of the add period in the second semester.

Information about Dropping Courses can be found in [Section VIII \(Undergraduate Degree Regulations and Procedures\) of the Undergraduate Calendar](#).

Additional Course Information

N/A