1 Course Details

1.1 Calendar Description

The course will contribute to students' achievement of selected DVM 2000 elements of competency in the context of the horse. The primary emphasis is directed towards developing the skills, knowledge and attitudes that will permit the entry-level veterinarian to develop strategies to deal with common and uncommon diagnoses.

Pre-Requisites: All Phase 2 courses.
Co-Requisites: All Phase 3 courses.

1.2 Course Description

The principles of medical and surgical treatment are emphasized.

Teaching Strategies:

The course will be in lecture format. The subject matter will be presented primarily on an organ system basis. In addition to the factual information provided in the lectures and posted on-line notes, students will be directed to the relevant literature. Some of the lecture time will be used on occasion for interactive reviews of specific topics to promote a better understanding of the subject matter. Specific case studies will be used to clarify and reinforce the subject matter. During this course, students will be notified of cases in the VTH that are particularly pertinent to the course.

Course Topics:

The following body systems will be covered: Musculoskeletal, Respiratory, Ophthalmologic, Cardiovascular, Renal, Neural, Gastrointestinal, Urogenital and Integumentary. In addition, specific topics relating to neonatal disorders will be discussed.

1.3 Timetable
Timetable is subject to change. Please see WebAdvisor for the latest information. Information is also on "Portal" (https://encampus.uoguelph.ca/Portal/)

1.4 Final Exam
Exam time and location is subject to change. Please see WebAdvisor for the latest information. Information is also on "Portal" (https://encampus.uoguelph.ca/Portal/)

2 Instructional Support

Administrative Information
For questions regarding academic consideration, continuation of study, academic misconduct, safety, confidentiality, and experiential learning involving use of animals, please refer to the Phase information on the OVC website.

2.1 Instructional Support Team

Instructor: Luis Arroyo Castro Dr.
Email: larroyo@uoguelph.ca
Telephone: +1-519-824-4120 x54258
Office: OVCP 2165

Instructor: Nathalie Cote Dr.
Email: ncote@uoguelph.ca
Telephone: +1-519-824-4120
Office: OVCS 2530

Instructor: Daniel Kenney Dr.
Email: dkenney@uoguelph.ca
Telephone: +1-519-824-4120 x54030
Office: OVCHSC 1417

Instructor: Judith Koenig Dr.
Email: jkoenig@uoguelph.ca
Telephone: +1-519-824-4120 x54718
Office: ANCC 2154

Instructor: Chantale Pinard Dr.
Email: cpinard@uoguelph.ca
Telephone: +1-519-824-4120 x54148
Office: OVCP 2116

Instructor: Donald Trout Dr.
Email: dtrout@uoguelph.ca
Telephone: +1-519-824-4120 x54002
Office: OVCS 2521

Course Co-ordinator: Judith Koenig Dr.
Email: jkoenig@uoguelph.ca
3 Learning Resources

3.1 Recommended Resources

https://www.elsevier.ca/ca/product.jsp?isbn=9780323484206


Current Therapy in Equine Medicine, Robinson and Sprayberry, 7th Edition. 2015 (Textbook)
https://elsevier.ca/product.jsp?isbn=9781455745555

https://elsevier.ca/product.jsp?isbn=9780323088398
(Edition 6 available late 2018 early 2019)

Veterinary Medicine, Constable et al , 11th edition 2016 (Dec) Elsevier/ Saunders AWB. (Textbook)
http://store.elsevier.com/product.jsp?locale=en_EU&isbn=9780702027772

The 5-Minute Veterinary Consult - Equine. Jean-Pierre Lavoie (Editor), Kenneth Hinchcliff (Editor)l. Wiley-Blackwell; 2nd edition (2009) (also available for mobile PC) (Textbook)
New edition coming in 2018/2019

Diagnosis and Management of Lameness in the horse. Ross and Dyson eds. 2nd ed. Elsevier 2011. (Textbook)
https://www.elsevier.ca/ca/product.jsp?isbn=9781416060697

3.2 Additional Resources

Veterinary Clinics, North America, Equine Practice. (Textbook)
http://www.elsevier.com/wps/find/journaldescription.cws_home/623253/description#description

https://www.elsevier.ca/ca/product.jsp?isbn=9780323583336

4 Learning Outcomes

The in-depth study of the common diseases and health problems of the horse requires integration by students of information gleaned in previous discipline courses with information provided in this course.

In this course, the usual historical and clinical signs observed in the common disease of the horse will be described and used to establish a problem list, which includes the pertinent differential diagnoses. The rationale for the selection of specific diagnostic tests, including response to therapy, and the implications of medical/surgical treatment versus non-treatment relative to the prognosis of return to normal health and function will be emphasized, based on the current understanding of the pathophysiology involved.

4.1 Course Learning Outcomes

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

1. Describe the relative importance of pertinent management, clinical history and manifested clinical signs in the generation of an appropriate problem list or differential diagnosis.

2. Select suitable laboratory tests and other diagnostic procedures necessary to establish and refine an appropriate problem list and/or a differential diagnosis.

3. Select appropriate therapeutic modalities and gauge the response to treatment.

4. Describe the importance of establishing a prognosis in terms of animal well-being and
use. This will involve conveying to the owner the significance, value and implications of any diagnostic or therapeutic procedure undertaken relative to the long-term health, well-being and if applicable, athletic performance of the animal.

5. Describe the importance of client education for understanding and managing animal health & welfare.

---

**5 Teaching and Learning Activities**

**5.1 Lecture**

- **Topics:** Lecture 1: GIT: Esophageal disorders
  - Instructor: Dr Koenig

- **Topics:** Lecture 2: GIT: Colic
  - Instructor: Dr Koenig

- **Topics:** Lecture 3: GIT: Colic
  - Instructor: Dr Koenig

- **Topics:** Lecture 4: GIT: Colic
  - Instructor: Dr Koenig

- **Topics:** Lecture 5: GIT: Colic
  - Instructor: Dr Koenig

- **Topics:** Lecture 6: GIT: Acute enterocolitis & endotoxemia
  - Instructor: Dr Kenney

- **Topics:** Lecture 7: GIT: Acute enterocolitis & endotoxemia
  - Instructor: Dr Kenney

- **Topics:** Lecture 8: GIT: Chronic diarrhea, Malabsorption
  - Instructor: Dr Kenney

- **Topics:** Lecture 9: Hepatic disease
  - Instructor: Dr Kenney

- **Topics:** Lecture 10: Foal disease
  - Instructor: Dr Arroyo

- **Topics:** Lecture 11: Foal disease
  - Instructor: Dr Arroyo

- **Topics:** Lecture 12: Foal disease
  - Instructor: Dr Arroyo

- **Topics:** Lecture 13: Dermatology
  - Instructor: Dr Kenney

- **Topics:** Lecture 14: Dermatology
  - Instructor: Dr Kenney
VETM*4450 C01 F19 v1.00

Lecture 15: Cardiovascular disease
Topics: Instructor: Dr Kenney

Lecture 16: Cardiovascular disease
Topics: Instructor: Dr Kenney

Midterm 1
Topics: Instructor: Drs Koenig/Kenney

Lecture 17: Respiratory disease
Topics: Instructor: Dr Kenney

Lecture 18: Respiratory disease
Topics: Instructor: Dr Kenney

Lecture 19: Respiratory disease
Topics: Instructor: Dr Kenney

Lecture 20: Respiratory disease
Topics: Instructor: Dr Kenney

Lecture 21: Respiratory disease
Topics: Instructor: Dr Kenney

Lecture 22: Respiratory disease
Topics: Instructor: Dr Kenney

Lecture 23: Respiratory disease
Topics: Instructor: Dr Kenney

Lecture 24: Upper respiratory tract & mouth
Topics: Instructor: Dr Trout

Lecture 25: Upper respiratory tract & mouth
Topics: Instructor: Dr Trout

Lecture 26: Upper respiratory tract & mouth
Topics: Instructor: Dr Trout

Lecture 27: Upper respiratory tract & mouth
Topics: Instructor: Dr Trout

Lecture 28: M/S: Lameness-1
Topics: Instructor: Dr Koenig

Lecture 29: M/S: Lameness-2
Topics: Instructor: Dr Koenig

Lecture 30: M/S: Lameness-3
Topics: Instructor: Dr Koenig

Lecture 31: M/S: Lameness-4
Topics: Instructor: Dr Koenig

Lecture 32: M/S: Lameness-5
Topics:
Instructor: Dr Koenig

Topics: Lecture 33: M/S: Lameness-6

Topics: Midterm 2
Instructors: Drs Koenig/Kenney

Topics: Lecture 34: M/S: Conditions of the foot
Instructor: Dr Koenig

Topics: Lecture 35: M/S: Conditions of the foot
Instructor: Dr Koenig

Topics: Lecture 36: M/S: Conditions of the foot
Instructor: Dr Koenig

Topics: Lecture 37: M/S: Conditions of the foot
Instructor: Dr Koenig

Topics: Lecture 38: M/S: Exertional myopathy
Instructor: Dr Arroyo

Topics: Lecture 39: Neurology
Instructor: Dr Kenney

Topics: Lecture 40: Neurology
Instructor: Dr Kenney

Topics: Lecture 41: Neurology
Instructor: Dr Kenney

Topics: Lecture 42: M/S: Fractures & septic arthritis
Instructor: Dr Cote

Topics: Lecture 43: M/S: Fractures & septic arthritis
Instructor: Dr Cote

Topics: Lecture 44: M/S: Fractures & septic arthritis
Instructor: Dr Cote

Topics: Lecture 45: Urogenital disorders
Instructor: Dr Cote

Topics: Lecture 46: Urogenital disorders
Instructor: Dr Cote

Topics: Lecture 47: Renal Disease
Instructor: Dr Kenney

Topics: Lecture 48: Renal Disease
Instructor: Dr Kenney

Topics: Lecture 49: Ophthalmology
Instructor: Dr Pinard
6 Assessments

A. Term Tests (Formative Evaluation) (40% of final grade)
   a. Midterm 1
   b. Midterm 2

B. Final Exam (Summative Evaluation) (60% of final grade)

The format of the examinations for the course will be at the discretion of the course coordinator and individual lecturers (mostly multiple choice but short answer questions are also possible). Passing grade for the course is 50%. Following the mid-term examination, and once the grades are posted, there will be a three-week period in which the examination can be reviewed. There will not be an opportunity to review the examination outside of this period. To arrange a time to review the examination, please contact the Administrative Assistant to the Faculty and Chair in the Department of Clinical Studies, ovcsas.clin@uoguelph.ca.

See the Phase 3 Schedule for actual times and dates and location of lectures and exams.

6.1 Assessment Details

Midterm 1 (20%)
   lectures 1 – 16, 2 questions/lecture multiple choice (MC)

Midterm 2 (20%)
   lectures 17 – 33, 2 questions/lecture (MC)

Final Exam (60%)
   Lectures 1-33: 1 question/lecture (MC)
   Lectures 34-50: 2 questions/lecture (MC)

7 University Statements

7.1 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.
7.2 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

7.3 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-regregchg.shtml

Associate Diploma Calendar - Dropping Courses
https://www.uoguelph.ca/registrar/calendars/diploma/current/c08/c08-drop.shtml

7.4 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.

7.5 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.

More information can be found on the SAS website https://www.uoguelph.ca/sas

7.6 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

7.7 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.

7.8 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