

EQUINE (EQN)

EQN*1010 Introduction to Equine Management Fall Only (LEC: 2, LAB: 6) [1.00]

This course provides the basis for understanding the equine industry, both from a practical and a theoretical perspective. Students will participate in daily routine care and management procedures, and learn basic techniques such as horse handling, grooming, bandaging, blanketing, tack, tractor driving and fire safety. Horse-environment interactions will focus on equine behaviour. The relationship of horses with humans will be explored from ancient through to modern times, including breeding for specific equestrian sports, prominent horsemen/women, and the variety of career options. Current issues will be explored including economic status and hot topics in the industry. Students may expect early morning and some weekend assignments. Students must provide their own grooming kit.

Restriction(s): ENVM*1090, EQN*1020, EQN*1030, EQN*1100
Registration in BBRM.EQM

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*2000 Equine Internship Fall Only (LAB: 6) [0.50]

This experiential learning course provides opportunities for students to actively engage in learning about horse daily care, barn management, peripheral work crucial to horse management, teaching labs and/or research projects. The internship schedule will be determined by the student and the Course Coordinator and should be completed by the end of the following winter semester. Completion of the internship is mandatory for the successful completion of the course. Note that this course may require attendance by students on some early mornings, evening, weekends and/or holidays.

Prerequisite(s): EQN*1010

Restriction(s): Registration in BBRM.EQM. Students must submit an application to the Course Coordinator by April 1 to be considered for enrolment. Successful applicants will be notified by April 15th.

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*2040 Equine Anatomy and Physiology Winter Only (LEC: 3, LAB: 3) [0.50]

This course examines the gross anatomy and physiology of the horse. All the major body organs will be studied in relation to their function in the equine. Comparative analysis will be made to other domestic farm animals.

Prerequisite(s): BIOL*1050

Restriction(s): Registration in BBRM.EQM, BSC(Agr).AGRS, and BSC.ABIO. This is a Priority Access Course. Enrolment may be restricted to particular programs or specializations or semester levels during certain periods. See the departmental website for more information.

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*2050 Introduction to Equine Nutrition Winter Only (LEC: 3, LAB: 3) [0.50]

This course introduces fundamental concepts of nutrition from a biochemical perspective. The biological roles of carbohydrates, lipids and proteins are studied, as well as the role of metabolic pathways in maintaining equine health at the cellular, organ, and whole body levels. Diagnosis, management, and prevention of equine nutritional diseases are discussed.

Prerequisite(s): BIOL*1050

Restriction(s): Registration in BBRM.EQM.

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*2080 Equine Event Management Fall Only (LEC: 5) [1.00]

This course will introduce skills required to organize equine events, such as horse shows, clinics and conferences. Major topics include event planning, budgeting, promotions, sponsorship, managing event staff and volunteers, legacies and environmental impacts of events. Required activities outside of regularly scheduled class hours will be assigned. Students will assist in the planning and staging of equine events either on or off campus.

Prerequisite(s): EQN*1010

Equate(s): EQN*2060, EQN*2070

Restriction(s): Registration in BBRM.EQM

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*2150 Equine Facility Management and Design Winter Only (LEC: 3, LAB: 2) [0.50]

This course introduces students to the design, development and management of an equine facility. Aspects of the building, renovating and management of horse facilities including site planning and interior design are presented. Special consideration is given to environmental control, waste management and environmental stewardship. Management topics include theoretical and practical skills, interacting with people, recruiting, supervising, motivating, training employees, effective listening, dealing with difficult people, group dynamics and leadership.

Restriction(s): AGR*2100, EQN*1050, EQN*2020. Registration in BBRM.EQM

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*2200 Equine Industry Trends and Issues I Fall Only (LEC: 3) [0.50]

This course discusses selected current global, national and regional issues in the horse industry. Analysis of strengths, weaknesses, opportunities and threats are applied to controversial issues in classroom discussions and reflective critical thinking.

Prerequisite(s): EQN*1010

Restriction(s): Registration in BBRM.EQM.

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*2500 Equine Field Course Fall Only (LAB: 4) [0.50]

In this 10-day field course, students will tour a selected area, visiting premier equine educational and industry locations managed by elite professionals. Students are exposed to a broad, high caliber learning experience from a variety of industry operations, providing a catalyst for future courses in the BBRM degree program. An additional fee will be assessed per student to cover the cost of transportation and accommodation. This course must be recorded as part of your Fall course selection and tuition and compulsory fees will be calculated accordingly. Contact course instructor during the preceding March course selection period.

Prerequisite(s): EQN*1050 or EQN*2150

Restriction(s): Registration in BBRM.EQM. Instructor consent required.

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*3060 Equine Reproduction Winter Only (LEC: 3, LAB: 3) [0.50]

Students will develop a solid foundation in reproductive endocrinology and physiology in the stallion and the mare, emphasis on physiology, breeding management and recognition of common reproductive problems in stallion, mare or foal. Practical experience includes dissection of reproductive tracts, semen collection and evaluation.

Prerequisite(s): BIOL*1090, EQN*2040

Restriction(s): Registration in BBRM.EQM.

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*3070 Equine Health Management Winter Only (LEC: 3, LAB: 3) [0.50]

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.

Prerequisite(s): EQN*2040

Restriction(s): Registration in BBRM.EQM.

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*3250 Equine Exercise Physiology Fall Only (LEC: 3, LAB: 3) [0.50]

This course considers the conversion of absorbed nutrients into metabolic fuels and the use of these substrates for work and heat production in horses. Practical application of theoretical knowledge develops an understanding for the basic physiological principles of muscle contraction and fatigue, thermoregulation, and energy utilization under differing exercise intensities, and how these principles can be applied to differential training strategies for equine athletes.

Prerequisite(s): ANSC*3080 or (EQN*2040, EQN*2050)

Equates(s): EQN*3050, EQN*3150

Restriction(s): Registration in BBRM.EQM, BSC(Agr) and BSC.ABIO This is a Priority Access Course. Enrolment may be restricted to particular programs or specializations or semester levels during certain periods. See the departmental website for more information.

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*4020 Advanced Equine Nutrition Winter Only (LEC: 3) [0.50]

This course focuses on the nutrition of horses at peak levels of performance or endurance. The use of real-world, case-study scenarios allows for the evaluation of practical feeding programs across a range of equine performance situations.

Prerequisite(s): EQN*2050 or NUTR*3210

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*4400 Equine Industry Trends and Issues II Fall Only (LEC: 3) [0.50]

This seminar course integrates discussion on selected current global, national and regional issues in the equine industry, building upon knowledge gained in earlier courses. Current issues in the equine industry will be examined through debate and discussion.

Prerequisite(s): 12.50 credits including EQN*2200

Restriction(s): Registration in BBRM.EQM.

Department(s): Department of Animal Biosciences

Location(s): Guelph

EQN*4500 Equine Integrated Project Winter Only (LAB: 6) [1.00]

This course facilitates education, communication and an exchange of ideas between students and equine businesses to enhance the development of the equine industry and its leaders. Student teams work together with an existing equine enterprise to develop and carry out a hands-on research project that is of benefit to the business owner. Students apply the knowledge gained in preceding courses in a holistic approach to the project as a culmination of their learning.

Prerequisite(s): 15.00 credits

Restriction(s): EQN*3500. Registration in BBRM.EQM.

Department(s): Department of Animal Biosciences

Location(s): Guelph