

## Equine Studies Courses

### **EQ 244 Stable Management** (2 credits)

This class is an introduction to the multiple aspects of stable management as practiced by the individual owner as well as a multiple horse facility. This course will provide you with much of the background information a stable manager needs and will afford you the opportunity to be introduced to the necessary skills and begin to become proficient at performing them.

### **EQ 244L Stable Management Lab** (2 credits)

Through hands-on work experience you will be introduced to the challenges, routines, skills, tediousness, physical labor, and keenness and sensitivity of eye that are parts of becoming a good stable manager.

### **EQ 245 Stable Management II** (2 credits)

This class will build the topics covered in Stable Management 1. Topics covered in this class will be more in depth and require the student to seek and research the latest developments in equine care and management. Prerequisite: EQ 244 or placement test.

### **EQ 248 Basic Riding Instructor Skills** (1.5 credits)

This course will cover the fundamentals of preparing, organizing and teaching riding lessons. Safety, lesson plans, ring skills, class control and the qualities needed to be an effective instructor will be covered. The goal of this demi-semester course is to lay a foundation for teaching able-bodied beginner riders individually and in groups. The emphasis will be on safety and a progressive development of teaching skills. Through task analysis and problem solving the student will develop lesson plans, learn to evaluate and adjust to different situations in an effective and professional manner, and learn different techniques of expressing themselves to the riders.

### **EQ 248L Basic Riding Instruction Skills Lab** (1 credit)

This course provides an introductory level opportunity for the application of skills and techniques developed in the Basic Teaching Skills for Riding course. The student will assist an instructor to develop their practical skills and stimulate their awareness and response to issues involving safety. Prerequisite: EQ 248.

### **EQ 249 History and Theory of Modern Riding** (3 credits)

This course will provide the student with a historical overview of equestrian sports. The class will study the history of educated riding, the development of forward riding from Caprilli to George Morris, the development of modern dressage, and the history and origins of western sports. Pre-requisite: PE 262 and sophomore standing or permission of instructor.

### **EQ 267 Showing Hunters** (1 credit)

The student will develop an in depth understanding of the requirements for properly conditioning, preparing and presenting the show ring hunter. Students will be responsible for the horse they are showing in all areas of its preparation for the show ring. A fee is required for this course. Prerequisites: PE 262, Hackers Rank, sophomore or above standing and permission of the riding instructor or director. This course is only open to student boarders on a show team.

### **EQ 268 Introduction to Schooling Hunters** (1 credit)

This is an upper level course for the accomplished rider who wishes to have the opportunity to use their skills in developing a program of mental and physical education for the horse. The course will serve as an intensive introduction to a system of schooling or re-schooling the sport horse. A fee is required for this course. Prerequisite: Junior or senior standing, Hackers Rank, and permission of instructor or director.

### **EQ 271 Showing Jumpers** (1 credit)

The student will develop an in depth understanding of the requirements for properly conditioning, preparing and presenting the show ring jumper. Students will be responsible for the horse they are showing in all areas of its preparation for the show ring. A fee is required for this course. Prerequisites: PE 262, Hackers Rank sophomore or above standing and permission of the riding instructor. This course is only open to student boarders on a show team.

### **EQ 280 Natural Horsemanship** (2 credit)

This course studies the philosophy and theory behind Natural Horsemanship. The student will study the methods and techniques used primarily in Natural Horsemanship. Parelli will be the primary focus of the class although other practitioners will be studied. The class combines theory with practical application. PE 261 or Permission of the instructor. A fee is required for this course. Students are expected to purchase their own equipment.

**EQ 340 Equine Business Management (3 credits)**

This class is designed to give the student insights into the various career paths within the horse industry and their experience and educational requirements. Principles of management, record keeping systems, liability and contracts and developing a business plan will be considered in class discussions. Students will write a prospectus and develop a detailed business plan for a business they hope to enter into in the future. The class requires all students to use Excel spreadsheets for forecasting and planning. Prerequisites: EQ 244 or 245 and BE 209 junior standing.

**EQ 341 Preparation for ANRC-Rated Rider Testing (3 credits)**

This course will provide the students with an in-depth study of riding theory and how it relates to successful performance. It will provide them the opportunity to develop their riding skills and to experience the practical applications of the acquired knowledge and skills from the perspective of the teacher, the trainer, the serious competitor, and the recreational rider. Students will be evaluated by outside examiners on the ANRC Rated Rider Exam of the appropriate skill level. A fee is required for this course. Prerequisites: PE 264, EQ 248.

**EQ 342 Form to Function: Principles of Judging and Selecting Hunters**

(3 credits)

The purpose of this class is to enable the student to develop a strong theoretical grasp of the principles of horse construction and action. This knowledge will enable the student to evaluate the horse in terms of how his structure predisposes him to success in various athletic pursuits. The student will study the particular rules, practices, and current criteria in judging the horse on the line and in performance. The theoretical knowledge will be put to practical tests at horse shows. Students will assess the responsibilities of judging and the qualities one must have to be a competent judge. Prerequisites: EQ 241 or junior standing.

**EQ 350 Horse Science I (3 credits)**

The principle learning outcome in this course is for the student to acquire a thorough working knowledge of the horse's functional anatomy & physiology. Special emphasis will be given to the musculoskeletal, digestive, respiratory, circulatory & nervous systems of the horse, as well as a brief review of equine evolution. The student will be able to relate the study of equine anatomy & physiology to horse husbandry theories & practice. In addition, the student will develop problem-solving skills in regards to presentations of common equine diseases & the therapeutic options available for treatment. Prerequisite: EQ 244, EQ 244L.

**EQ 415 Current Therapies in Equine Internal Medicine (3 credits)**

This course will acquaint the student with a detailed overview of current equine internal medicine disorders, with practical aspects of diagnosis & therapeutic management. Understanding basic equine pathophysiologic mechanics is essential in the management of complex disease processes & will be reviewed for a better comprehension of the equine medical disease process. The class will be structured to address specific diseases along system-based lines to include respiratory, gastro-intestinal, urinary, hepatic, cardiac, ophthalmology, & neurological disorders. Prerequisite: EQ 350 or permission of the instructor, Junior or Senior standing

**EQ 416 Introduction to Equine Clinical Pharmacology (3 credits)**

The principle goal in this course is for the student to acquire a working knowledge of commonly employed pharmaceuticals that are used in the medical treatment of horses. Classifications of drugs, misuse of over-the-counter medications, mechanism of actions, as well as side effects, will be studied. General principles such as drug absorption, distribution, metabolism, therapeutic index and interactions will also be discussed. Prerequisite: EQ 350 or permission of the instructor, Junior or Senior standing

**EQ 417 Equine Orthopedic Lameness (3 credits)**

The purpose of this course is to acquaint the equestrian student with an organizational, scientific approach to the diagnosis, treatment and athletic management of equine lameness. This will be accomplished in three separate sections of the course. The course will be equally divided between lectures and labs. During the initial section, orthopedic anatomy and equine biomechanics will be reviewed. In the second section, we'll combine anatomy and biomechanics with the art of insightful observation of the horse on the flat and under saddle. The final section will incorporate

discussion of the latest scientific technology for diagnosis, as well as common dysfunctions, etiology and prognosis interrelated to the competitive implications for the best management of the athletic horse. Prerequisite: EQ 350 or permission of the instructor, Junior or Senior standing.

**EQ 420 Equine Nutrition** (3 credits)

The principle learning outcome in this course is for the student to acquire a thorough working knowledge of the equine gastrointestinal anatomy and physiology as related to the process of digestion, absorption, and utilization of nutrients. Special emphasis will be placed on lipids, carbohydrates, proteins, vitamins and minerals and their relationships in feed concentrates and in forage. Different aspects of nutritional requirements and deficiencies will also be discussed. The student will be able to apply the basic principles of equine nutrition in order to develop and balance a feed rationing program for horses at any stage of life and athletic capacity. Prerequisites: EQ 244, EQ244L and EQ 350

**EQ 422 Horse Science II - Equine Reproduction & Genetics** (3 credits)

The principle learning outcome in this course is for the student to acquire a thorough working knowledge of the equine reproductive anatomy & physiology, equine neonatology & introductory concepts in equine genetics. Reproduction labs will emphasize mare & stallion reproductive evaluation & readiness for breeding. The student will be able to relate the study of equine reproduction & genetics to current breeding husbandry & management techniques. In addition, the student will develop problem-solving skills in regards to presentations of common equine reproductive problems encountered & the therapeutic options available for treatment. Prerequisite: EQ 350, EQ 244 , EQ 244L

**EQ 440 Contemporary Riding and Teaching Theory** (2 credits)

Students will be acquainted with riding theory, history and current trends. They will develop an understanding of how one “learns” to ride and develop an understanding of the psychology and physiology of the horse and rider. They will identify the qualities of a good instructor and learn how to teach a lesson that is SAFE, builds confidence, provides an opportunity for improvement, and is fun. Prerequisites: PE 262 or 262, EQ 248, EQ 248L.

**EQ 440 L Contemporary Riding and Teaching Lab** (1 credit)

This course allows the student to apply the theory of riding and teaching in the riding ring. Students will learn to develop a variety of learning strategies to help riders who learn in different ways. Developing their observation and self-reflection skills will form a major component of the course. Prerequisite: EQ 440.