



# EQSC 240/L

## INTRODUCTION TO EQUINE SCIENCE

**Instructor:** Petra Collyer DVM PhD  
**Office Location:** AGIT 229  
**Office Hours:** M W 8:00-10:00 am, and by appointment  
**Office Phone:** 903-886-5355  
**Office Fax:** 903-866-5990  
**University Email Address:** [Petra.Collyer@tamuc.edu](mailto:Petra.Collyer@tamuc.edu)

### COURSE INFORMATION

#### COURSE TIME AND PLACE

Time: lab M or W 3:00-4:50p  
Location: LSTK005 (Equine Center)

#### PREREQUISITES

none

#### MATERIAL

Textbook(s) required: Equine Science  
Authors: Pilliner, Davies  
Wiley Blackwell, 2nd edition October 2010  
ISBN-10: 1405119446  
ISBN-13: 978-1405119443  
Further required and recommended reading material will be posted on eCollege.

#### COURSE DESCRIPTION

3 semester hours. Introduction to structure and function of the horse with an overview of nutrition, genetics, reproduction, conformation, fitness and equine health. Two hours lecture, two hours lab.

Rationale of the course: Foundation course for Equine Studies Majors and Minors. Prepares students for courses in equine behavior and training, anatomy, physiology, reproduction, nutrition, and equine health management. Overview of the equine industry and equine-related careers.

## STUDENT LEARNING OUTCOMES

Upon completion of this course, students shall be able to:

- 1) describe physiological and pathological equine behavior
- 2) apply principles of learning theory to horse behavior, learning and training
- 3) apply equine anatomy, physiology and genetics to modern equine management and nutrition
- 4) define concepts of equine health management
- 5) characterize US and global equine industries and equine-related careers

## COURSE REQUIREMENTS

### INSTRUCTIONAL METHODS / ACTIVITIES ASSESSMENTS

Student Learning Outcome #1-5: The student will synthesize knowledge from reading materials and laboratory discussions.

Assessment Method:

Weekly online quizzes

Question type: Multiple choice, matching, short-answer, true/ false

Online comprehensive final exam

Student Learning Outcome #1-4: The student will demonstrate practical knowledge of equine management.

Assessment Method: Practical assessment and written exams (in lab, weeks 5,10,15)

Student Learning Outcome #5: The student will practice research and presentation skills.

Assessment Method: Evaluation of student presentation for content and presentation of an equine professional, and the specific branch of the equine industry.

## GRADING

	Time period	Points
Exam 1 (in lab)	week 5	50
Exam 2 (in lab)	week 10	50
Exam 3 (in lab)	week 15	50
Final exam (comprehensive, online)	finals week	100
Online quizzes	weekly	100
Industry and career presentation	week 15	50
<b>Total</b>		<b>400</b>

> 89.5%	A
79.5- 89.4%	B
69.5- 79.4%	C
59.5-69.4%	D
< 59.5%	F

## TECHNOLOGY REQUIREMENTS

Course materials and required reading assignments will be submitted to eCollege in the weekly folders. To fully participate in this web-enhanced course, you will need to use a current, Flash enabled browser. For PC users, the suggested browser is Internet Explorer 9.0 or 10. For Mac users, the most current update of Firefox is suggested. You will need regular access to a computer with a broadband Internet connection. The minimum computer requirements are: 512 MB of RAM, 1 GB or more preferred . Video display capable of high-color 16-bit display 1024 x 768 or higher resolution. Sound card, speakers or headphones are required. Both versions of Java (32 bit and 64 bit) must be installed and up to date on your machine. Java can be downloaded at: <http://www.java.com/en/download/manual.jsp> Current anti-virus software must be installed and kept up to date. You will need some additional free software for enhanced web browsing. Ensure that you download the free versions of the following software: Adobe Reader, Adobe Flash Player.

At a minimum, you must have Microsoft Office 2013, 2010, 2007 or Open Office. Microsoft Office is the standard office productivity software utilized by faculty, students, and staff. Microsoft Word is the standard word processing software, Microsoft Excel is the standard spreadsheet software, and Microsoft PowerPoint is the standard presentation software. Copying and pasting, along with attaching/uploading documents for assignment submission, will also be required. If you do not have Microsoft Office, you can check with the bookstore to see if they have any student copies. For additional information about system requirements, please see: <https://secure.ecollege.com/tamuc/index.learn?action=technical>

## ACCESS AND NAVIGATION

## PEARSON LEARNINGSTUDIO ACCESS AND LOG IN INFORMATION

This course will be facilitated using Pearson LearningStudio, the learning management system used by Texas A&M University Commerce. To get started with the course, go to: <http://www.tamuc.edu/myleo.aspx>. You will need your CWID and password to log in to the course. If you do not know your CWID or have forgotten your password, contact Technology Services at 903.468.6000 or [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu). It is strongly recommended that you perform a "Browser Test" prior to the start of your course. To launch a browser test, login to Pearson LearningStudio, click on the 'myCourses' tab, and then select the "Browser Test" link under Support Services.

## PEARSON LEARNINGSTUDIO STUDENT TECHNICAL SUPPORT

Texas A&M University Commerce provides students technical support in the use of Pearson LearningStudio. Technical assistance is available 24 hours a day/ 7 days a week.

If at any time you experience technical problems (e.g., you can't log in to the course, you can't see certain material, etc.) please contact the Pearson LearningStudio Help Desk. Accessing Help from within Your Course: Click on the '*Tech Support*' icon on the upper left side of the screen inside the course. You will then be able to get assistance via online chat, email or otherwise by phone. The Help Desk number is 1-866-656-5511. Email: [helpdesk@online.tamuc.org](mailto:helpdesk@online.tamuc.org)

Note: Personal computer problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, Office Services such as Kinko's, an Internet cafe, or a bookstore such as Barnes & Noble, etc.

## POLICY FOR REPORTING PROBLEMS WITH PEARSON LEARNINGSTUDIO

Should students encounter Pearson LearningStudio based problems while submitting assignments/discussions/comments/exams, the following procedure MUST be followed:

Students must report the problem to the help desk. You may reach the helpdesk at [helpdesk@online.tamuc.org](mailto:helpdesk@online.tamuc.org) or 1-866-656-5511.

Students MUST file their problem with the helpdesk and obtain a helpdesk ticket number

Once a helpdesk ticket number is in your possession, students should email the instructor to provide her with the helpdesk ticket number. At that time, the instructor will call the helpdesk to confirm your problem and follow up with the student.

PLEASE NOTE: Your personal computer/access problems are not a legitimate excuse for filing a ticket with the help desk. You are strongly encouraged to check for compatibility of your browser BEFORE the course begins and to take the Pearson LearningStudio tutorial offered for students who may require some extra assistance in navigating the Pearson LearningStudio platform. ONLY Pearson LearningStudio based problems are legitimate.

An Internet connection is necessary to participate in discussions and assignments, access readings, transfer course work, and receive feedback from your professor. View the requirements as outlined in Technology Requirements above for more information.

## MYLEO SUPPORT

Your myLeo email address is required to send and receive all student correspondence. Please email [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu) or call 903-468-6000 with any questions about setting up your myLeo email account. You may also access information at <https://leo.tamuc.edu>.

### Learner Support

Go to the following link [One Stop Shop](#)- created to serve you by attempting to provide as many resources as possible in one location.

Go to the following link [Academic Success Center](#)- focused on providing academic resources to help you achieve academic success.

## COMMUNICATION AND SUPPORT

Course announcements are found on eCollege.

The primary tool for communication is email. Questions or concerns are directed to [Petra.Collyer@tamuc.edu](mailto:Petra.Collyer@tamuc.edu), and students use their university myLeo account and adhere to the rules of netiquette (<http://www.albion.com/netiquette/corerules.html>). Emails are generally answered within 24 hours during regular business hours (Monday through Friday 8 am to 5 pm). Students can visit with the instructor during office hours (open door policy), or make an appointment via email.

## COURSE AND UNIVERSITY PROCEDURES/POLICIES

### COURSE SPECIFIC PROCEDURES

Attendance is taken each session. Students who miss more than three classes or do not complete the course requirements will fail the course.

Make-up exams are only possible with a university-sanctioned excuse within three working days prior of after the regular exam date. In order to qualify for a make-up exam, the student is required to inform the instructor before the exam date and time, and present a document that provides evidence of an emergency or university activity. In case of an emergency on the date of an exam, inform the instructor via email on that day, and make sure to provide written evidence within three days.

### UNIVERSITY SPECIFIC PROCEDURES

#### ADA STATEMENT

##### *STUDENTS WITH DISABILITIES*

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring

an accommodation, please contact:

**Office of Student Disability Resources and Services**

Texas A&M University-Commerce

Gee Library- Room 132

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

[StudentDisabilityServices@tamuc.edu](mailto:StudentDisabilityServices@tamuc.edu)

*STUDENT CONDUCT*

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See *Code of Student Conduct from Student Guide Handbook*).

## COURSE OUTLINE / CALENDAR

Week tentative modules, topics may change

	<b>Online</b>	<b>Lab</b>
1	Introduction to Equine Science	Intro to horse safety
2	The musculoskeletal system	Skeleton, Muscles
3	The musculoskeletal system	Applied anatomy
4	The musculoskeletal system	Applied anatomy
5	The respiratory system	Exam
6	The circulatory system	Soundness
7	The nervous and endocrine systems	Nutrition
8	The urinary, digestive and sensory systems	Feeding principles
9	Spring Break	Parasitology
10	The reproductive systems	Exam
11	Health management	Equine health care
12	Equine Diseases	Equine diseases
13	Fitness and feeding	Training and fitness testing
14	Genetics and heredity	Presentations
15	Equine Industry and equine-related careers	Presentations