



# EQSC 342 EQUINE NUTRITION SYLLABUS SPRING 2016

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## COURSE INFORMATION

### COURSE TIME AND PLACE

Time: MW 11:00 am- 12:15pm

Location: Equine Center classroom

### MATERIAL

Textbook(s) : none required; material is posted on eCollege

### COURSE DESCRIPTION

Nutrition of the horse with emphasis on feeds, ration formulation, forage and hay quality and digestive disorders. Three semester hours.

Prerequisites: EQSC 240 or ANS 118/ ANS 1319, or contact instructor

Rationale of the course: The course content teaches students to feed horses according to maintenance and performance. Nutritional requirements to prevent the development of digestive and metabolic disorders in horses are discussed.

## STUDENT LEARNING OUTCOMES

Upon completion of this course, students shall be able to demonstrate knowledge of

1. Anatomy and physiology of the equine digestive system
2. Equine nutrient requirements
3. Body condition scoring in horses
4. Feed material for horses
5. Ration formulation for maintenance and performance in horses
6. Prevention of digestive and metabolic disorders

## COURSE REQUIREMENTS

### INSTRUCTIONAL METHODS / ACTIVITIES ASSESSMENTS

Student Learning Outcome #1-7: The student will synthesize knowledge from class discussion, practical learning and supplementary materials.

#### Assessment Method:

Three exams (3x 50 P), 1 final exam (100 P)

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

4 Quizzes (4x 25 P)

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

1 presentation (50 P)

## GRADING

	Time period	Points
Exam 1	week 5	50
Exam 2	week 11	50
Exam 3	Week 15	50
Final exam	Finals Week	100
Presentation	TBA	50
Quizzes	unannounced	100
<b>Total</b>		<b>400</b>

The final, and undisputable grading scheme adheres to the following table:

400-360 (points)	A
359-320	B
319-280	C
279-240	D
139- 0	F

# COURSE AND UNIVERSITY PROCEDURES/POLICIES

## COURSE SPECIFIC PROCEDURES

Attendance is taken each session. Students who miss more than three classes will have 100 points deducted from all earned points.

In an emergency please contact the course instructor before or on exam day. Only official university-sanctioned excuses are accepted. Documentation for emergency is required.

## 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	Date	Tentative topic
1		
	Jan 19	GI anatomy
2	Jan 25	GI physiology
	Jan 27	GI physiology
3	Feb 1	Factors affecting feed intake, water
	Feb 3	Energy systems, requirements
4	Feb 8	Amino acids, proteins
	Feb 10	Fats, carbohydrates
5	Feb 15	Vitamins, macro and trace elements
	Feb 17	Exam 1
6	Feb 22	Feeding stallions and broodmares
	Feb 24	Feeding the growing horse
7	Feb 29	Feeding racehorses
	Mar 2	Feeding endurance horses
8	Mar 7	The senior horse
	Mar 9	Donkeys and mules
9	Mar 14	Spring Break
	Mar 16	Spring Break
10	Mar 21	Feedstuffs for horses
	Mar 23	Pastures and pasture management
11	Mar 28	Supplements
	Mar 30	Exam 2
12	Apr 4	Assessment of body condition and bodyweight
	Apr 6	Ration evaluation and formulation
13	Apr 11	Assessment of clinical nutritional status
	Apr 13	Effects of diet on behavior
14	Apr 18	Feeding thin and starved horses
	Apr 20	Obesity, laminitis
15	Apr 25	Developmental orthopedic disease, oral joint supplements
	Apr 27	Exam 3
16	May 2	Colic
	May 4	Controversial areas in equine nutrition
17		Finals Week