

Equine Nutrition & Feeding Management

ANS 3405 Course Syllabus
Fall 2015

Department of Animal Sciences
University of Florida



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IMPORTANT DATES

EXAMS:

- ★ Sept 24
- ★ Nov 3
- ★ Dec 18

ASSIGNMENTS DUE:

- ★ Sept 10
- ★ Sept 17
- ★ Oct 6
- ★ Oct 15
- ★ Oct 27
- ★ Nov 12
- ★ Dec 1

Instructor

Dr. Lori K. Warren

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Office hours: By appointment.

Please call or email to schedule an appointment. In most cases, I will respond back to you within 24 hours.

Course Description & Objectives

ANS 3405 is an applied nutrition course focusing on feeding programs for all types and classes of horses. Topics will include: selection of feeds, nutrient requirements, diet evaluation and formulation, feeding management, and treatment and prevention of feeding-related disorders. Classroom activities and assignments will integrate the science of nutrition with practical horse management, enabling you to create feeding programs that promote equine health & well-being.

Upon completion of this course, you will be able to:

- ✓ Appreciate the digestive anatomy & digestive process unique to equids
- ✓ Evaluate & select appropriate feeds for horses
- ✓ Design effective diets and feeding programs to meet the horse's nutritional and psychological needs
- ✓ Recognize feeding-related problems and evaluate potential solutions

Time & Location

Tuesdays & Thursdays

Period 4 • 10:40AM - 11:30AM

Animal Science Bldg • Room 156

Prerequisites

You must have already taken:

- ANS 3440 Princ. of Animal Nutrition
- Algebra (minimum math level)
- 1 semester of General Chemistry

Textbooks & Other Resources

No textbooks are required for this course, but the following sources of information are highly recommended:

- 1) Nutrient Requirements of Horses, 6th Revised Edition (NRC) ISBN-13: 978-0-309-10212-4 ★NOTE: this publication can be accessed online for free at http://www.nap.edu/openbook.php?record_id=11653 and linked on CANVAS
- 2) Equine Applied & Clinical Nutrition (2013), Edited by RJ Geor, PA Harris, and M Coenen; ISBN: 978-0-0720-3422-0
- 3) The Horse magazine (www.thehorse.com); a reasonably good source of health & nutrition info. You can access articles for free after signing up.

Course Information on CANVAS

- <https://lss.at.ufl.edu/>
- Click the BLUE "e-Learning in CANVAS" button on the left, then enter your Gatorlink ID & password.
- Check *Settings* and *Notifications* in your CANVAS account -- make sure the "Announcements" and "Conversation" settings are set to ASAP in order to receive timely announcements about the course.

CANVAS will contain:

- ✓ Announcements
- ✓ Course Notes
- ✓ Assignments
- ✓ Your Grades
- ✓ Reference Articles
- ✓ Useful Links

Course Notes



- ◆ Posted on CANVAS under the "Modules" link at least 2 days before the lecture
- ◆ Fill-in-the-blank style with some figures
- ◆ Designed to assist you with note-taking in class
- ◆ Print BEFORE coming to lecture, or bring your laptop/tablet and type directly on the notes (★ requires latest version of Adobe Reader)

Cell phones, laptops, tablets and other electronic devices should be silenced during class time.



Assignments

You will have 7 major (and 2 minor) homework assignments in this course. Most major assignments are case studies that depict practical feeding scenarios. Your task is to research the problems presented and come up with a solution. You will not be given all the answers to the case before they are assigned. Assignments (with instructions) will be provided at least 5 days before it's due.

Exams & Quizzes

EXAMS:

There will be 3 exams, each covering approximately 1/3 of the material. Although exams are not strictly "cumulative," new material does build upon previous information throughout the semester.

Exam questions will be a mixture of multiple-choice, true/false, matching, short answer, essay, & math problems.

Policy on LATE assignments:

It is expected that ALL assignments will be submitted on time during the normal class period. Without a valid absence (see below), any assignment turned in late will receive the following penalty:

0.1 – 24 hrs late	=	-20%
>24 – 48 hrs late	=	-35%
>48 hrs late	=	<u>NOT</u> accepted

QUIZZES:

Expect both announced and unannounced quizzes.

Anything said in class, even if not in the course notes, can appear on exams & quizzes.

◆◆◆
Make-up quizzes & exams are NOT allowed without a valid absence.

Attendance & Make-Up Policy

Regular attendance is expected & active participation is necessary for successful completion of this course.

If you know you will be absent from class, please contact the instructor at least one week in advance of the date(s) missed.

If you have an unforeseen emergency, you will need to provide written documentation to support your absence (eg, if you are sick, a doctor's note with justification is necessary).

It is your responsibility to contact the instructor to develop a plan to make-up missed work. Missed work for excused class absences will be accepted with no penalty if completed by the extended deadline. The opportunity to make-up missed work will not be offered without a valid excuse.

Class attendance and make-up work policies are consistent with UF policies found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Grading Policy

Grade distribution:

Assignments & Quizzes	40 %
3 Exams	60 %

Grading Scale:

A	=	90 - 100 %
B	=	80 - 89.9 %
C	=	70 - 79.9 %
D	=	60 - 69.9 %
E	=	less than 60 %

Do NOT wait until the end of the semester to discuss problems you are having with the course or your performance. Your success in this course is important to your instructor!

- No +/- grades will be assigned.
- There will be NO grading curve.
- YOUR GRADE (%) = [(pts earned on assignments + quizzes / 380 total pts possible) X 0.40] + [(pts earned on exams / 300 total pts possible) X 0.60]
- You have one week after the return of any graded item to resolve questions. After that, all grades are final.
- Retain all graded items until you are assigned a final course grade.
- For information on current UF policies for assigning grade points, see: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>



You will need a calculator for this course. Use of the calculator function on your phone will NOT be allowed during quizzes & exams.

Academic Honesty

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: *"We the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."* You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."*

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (eg, assignments, papers, quizzes, exams).

Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action.

For more information regarding the Student Honor Code, please see: <http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code>

This policy will be vigorously upheld at all times in this course.



Software Use

All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or

criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Campus Helping Resources

Students experiencing crises or personal problems that interfere with their general well-being are encouraged to utilize the University's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

- University Counseling & Wellness Center
3190 Radio Road • (352) 392-1575
www.counseling.ufl.edu/cwc/
 - Counseling Services
 - Groups & Workshops
 - Outreach & Consultation
 - Self-Help Library
 - Wellness Coaching
- Career Resource Center
First floor JWRU • (352) 392-1601
www.crc.ufl.edu

Services for Students with Disabilities

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services, and mediating faculty-student disability related issues.

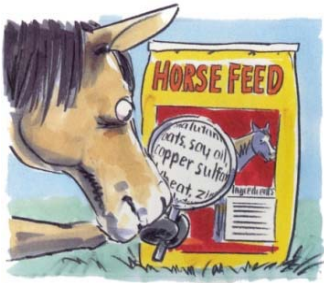
Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

Disability Resource Center
0001 Reid Hall • (352) 392-8565
<http://www.dso.ufl.edu/drc/>

GATORRATER ONLINE COURSE EVALUATION PROCESS

Student assessment of instruction is an important part of efforts to improve teaching & learning. At the end of the semester, you will have the opportunity to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. You will be notified when the evaluation system is open (typically the last two weeks of the semester). It is expected that you will contribute your feedback for this course and the others in which you are enrolled this term. Summary results of course evaluations are available at <https://evaluations.ufl.edu/results>

Course Schedule



Topics, exams & due dates are subject to change. If any changes are made, you will receive at least one week notice.

DATE	TOPIC	ASSIGNMENT DUE
Aug 25 - Tu	Introduction Anatomy of equine GI tract	
Aug 27 - Th	Digestion & absorption	
Sept 1 - Tu	Digestion & absorption	
Sept 3 - Th	Digestive disorders	
Sept 8 - Tu	Nutrient requirements and the NRC	
Sept 10 - Th	Ration Evaluation	Basic Nutr. Calculations
Sept 15 - Tu	Feeding the Maintenance Horse	
Sept 17 - Th	Discussion of Case Study #1	Case Study #1
Sept 22 - Tu	Feed Selection	
Sept 24 - Th	EXAM #1	
Sept 29 - Tu	Feed Selection	
Oct 1 - Th	Feed Selection	
Oct 6 - Tu	Feeding Working/Performance Horses	Commercial Feed Eval.
Oct 8 - Th	Feeding Working/Performance Horses	
Oct 13 - Tu	Ration Formulation	
Oct 15 - Th	Discussion of Case Study #2	Case Study #2
Oct 20 - Tu	Feeding Broodmares & Stallions	
Oct 22 - Th	Feeding Broodmares & Stallions	
Oct 27 - Tu	Discussion of Case Study #3	Case Study #3
Oct 29 - Th	Feeding Growing Horses	
Nov 3 - Tu	EXAM #2	
Nov 5 - Th	Feeding Growing Horses	
Nov 10 - Tu	VETERAN'S DAY - NO CLASSES	
Nov 12 - Th	Discussion of Case #4	Case Study #4
Nov 17 - Tu	Clinical Nutrition	
Nov 19 - Th	Clinical Nutrition	
Nov 24 - Tu	Clinical Nutrition	
Nov 26 - Th	THANKSGIVING - NO CLASSES	
Dec 1 - Tu	Discussion of Case Study #5	Case Study #5
Dec 3 - Th	Discussion of Case Study #5	
Dec 8 - Tu	Pasture as a feed source Course Wrap-up	
Dec 18 - Fri	EXAM #3 ♦ 7:30 - 9:30AM—Classroom 156, Animal Sci Bldg	