Animal Science 442/ 542  
Equine Production and Management  
Syllabus  
Fall 2011

Instructor:  
Brian Rogers

Contact Information:  
(936) 468-4319 (Office)  
(936) 468-3705 (Department)

Office:  
103 Agriculture Building

Office Hours:  
Monday 11:00 am to 12:00 pm and 1:00 pm to 3:00 pm  
Tuesday 10:45 am to 12:00 am  
Wednesday 11:00 am to 11:30 am  
Thursday 10:45 am to 12:00 pm  
Afternoons and Fridays by appointment

Lecture Time/Place:  
ANS 442 001:  MW 10:00-10:50

Lab Time/Place:  
ANS 442 020:  T 1:00-2:50

Credit Hours:  3 semester hours

Recommended Text:  
Equine Science, 3rd Edition  
R.O. (Rick) Parker, Ph.D - College of Southern Idaho (Retired)  
552 Pages  HB  
©2008  Published

Course Description

The purpose of this course is to provide the senior level undergraduate student with the scientific application of biological and biotechnological principles in the discipline of horse production and management. Emphasis will be placed on reproductive physiology, nutrition, genetics, health and diseases, and exercise physiology, and their
relationships to the efficient production of horses. In addition, farm management, marketing, computer use and career opportunities in the horse industry will be covered. Efforts will be made to tie the information developed through this course into the overall management schedule of equine enterprises in the industry.

The material presented in this course will not be introductory in nature and therefore it is imperative that students have either taken the prerequisite courses in Horse Production (ANS 241), Animal Nutrition (ANS 333) and Reproductive Physiology (ANS 428), or have had equivalent courses in other departments or colleges.

General Objectives

1. To provide current scientifically based information in the related topics of equine production and management.
2. To challenge the student to develop his/her own concepts of the management of the horse based on information generated through scientific investigation.
3. To allow the student to develop some of the skills relevant to optimal management and production of useful horses.

Exams and Grading

Exams (2): 200 points
Class Presentations and Reports (3): 300 points
Lab Project, quizzes and Homework: 400 points
Final Exam (comprehensive): 100 points
Total: 1000 points

Letter grades will be given as follows:
A  90  -100%
B  80  89%
C  70  79%
D  60  69%
F  Below 60%

Final grades will be calculated as a percentage of 1000 possible points. There will be no curve.

Graduate Credit
If taken for graduate credit, the student will be expected to research a current topic in
equine science and present the results of that research as a presentation to the class. Topics must be approved by the instructor.

**Additional Reference Text:**

It is strongly suggested students obtain a copy of the above text. Readings from this will supplement lecture materials.

**Reports and Presentations:**
Students will be required to do 3 reports of 5 pages or more over 3 of the 4 major topic areas in this course. That is: Nutrition and feeding, Breeding and Reproduction, Conformation and Exercise Physiology, and marketing and Careers.

These reports must be referenced from the scientific literature, popular press and experts in the appropriate area. Each report must contain at least one applicable Scientific Journal reference and a total of 3 references. Students need to have the topics approved by the instructor in advance. Students are required to do a 10 minute presentation of each report to the class.

---

**ANSC 442**
**Tentative Lecture & Lab Schedule**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introductions, Review Syllabus, Survey Nutrition of the Young Growing Horse</td>
</tr>
<tr>
<td>2</td>
<td>Nutritional Effects in Growth and Bone Development Nutrition of the Performance Horse Nutritional Management of the Broodmare</td>
</tr>
<tr>
<td>3</td>
<td><strong>First topic approved:</strong> Feeding Management</td>
</tr>
</tbody>
</table>
Immunization, Preventive Management and Horse Health

Contagious and Infectious Diseases
Metabolic Disorders and Medical Emergencies
Internal and External Equine Parasites and Control Report 1 Due and Presented.

EXAM 1
Breeding Programs in the Horse Industry Second Topic Approved.
Reproductive Management of the Broodmare

Broodmare reproduction (cont)

Reproductive Management of the Stallion

Selection for Improvement of Horses Genetic Defects and Abnormalities

Equine Anatomy, Report 2 Due and Presented.

EXAM 2
Gaits and Their Relationship to Conformation and Travel
Etiology of Unsoundness Third Topic Approved.
Unsoundness in Different Types of Horses

Exercise Physiology & Performance Horses

Exercise Physiology (cont)
Evaluating Stress in Equine Athletes
Training Regimens for Horses

Physiological Responses to Different Types of Exercise
The “Horse” Business, Report 3 Due and Presented.

Marketing Horses Legal Aspects of Horse Ownership
Record Keeping Computer Software
The Horse Industry Careers in the Horse Industry
Final Exam
Lab Project:

This lab project will be a group project and will be designated by the instructor. This report will consist of a 1 hour power point presentation that will be presented during the last 2 labs of the semester. This presentation will be a group effort and you will be graded on your performance by each team member and by a panel of instructors/experts within the field.

This presentation will consist of management project and it should be very detailed. Each team member is required to participate equally and have an equal speaking part within the presentation. This project will consist of 30% of your overall grade. The presentation should define what type of equine facility that you are managing and how you plan to start the business. You will need to research loans and interest rates, types of facilities needed, equipment and labor needed to operate facility, and how the facility plans to make a profit and the turn around for the investment but most of all it should be very detailed about PRODUCTION and MANAGEMENT.

Students with Disabilities:

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/

Withheld Grades Semester Grades Policy (A-54):

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

Academic Integrity (A-9.1)

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit. Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp

Acceptable Student Behavior:
Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy D-34.1). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed.

**Cell Phone Policy**

It is my policy that cell phones in class are disruptive, and thus should be turned off during class. If your phone rings, or if I catch you texting during class or lab you will be asked to leave and you will be marked absent for that class period.

**Lab Policies**

Labs will be hands on experiences; therefore due to safety issues the dress code below will shall be followed. Anyone not following this code will not be allowed to participate and will be counted absent.

- No shorts
- No Tank Tops
- No Open Toed Shoes
- No Jewelry
- Any other thing considered as unsafe or disruptive by the instructor