I. INTRODUCTION

A. The purpose of this course is to study the physiology, reproduction, genetics, health and management of the horse.

B. This course is required to meet curriculum requirements for the Central Texas College programs for Associate in Applied Science Degree in Horse Management.

C. This course is occupationally related and serves as preparation for jobs in horse breeding management.

II. LEARNING OUTCOMES

Upon successful completion of this course, Horse Production, the student will:

A. List the physiological systems of the horse.

B. List the reproductive organs of the horse (male & female) and describe factors of reproduction.

C. List diseases of the horse.

D. List management practices.

E. Describe genetic makeup and practices in the equine.

III. INSTRUCTIONAL MATERIALS

The instructional materials identified for this course are viewable through www.ctcd.edu/books

IV. COURSE REQUIREMENTS

A. Reading Assignments: Will be made as needed to supplement class work and lab activities. Students will be responsible for all material in the assigned materials on exams January 2007
and to complete lab work.

B. Term Report: Will be assigned according to the specific interest of each student. It will be graded as a major exam and failure to complete the report will result in a grade of zero.

C. Class Performance: Will not be graded, therefore, points will not be deducted or awarded for class participation. Work to be turned in for a grade that is missed due to an excused absence may be made up on the student’s time and at the convenience to the instructor. Work, including exams, missed due to an excused absence, must be made up before the second class meeting after the student returns to class. Students absent will be responsible to get class notes missed from another student or from the textbook. Any work and exam not made up will be assigned a grade of zero.

V. EXAMINATIONS

Three major exams including the final will be given. The first exam to be given about the fifth week, the second exam about the tenth week and the final exam during the sixteenth week. The exams will be mainly objective type, to be graded by the instructor and returned to the student. A review will be given prior to the final exam. Procedure for taking make-up exams was given in Class Performance above.

VI. SEMESTER GRADE COMPUTATION

<table>
<thead>
<tr>
<th>Grade</th>
<th>First major exam</th>
<th>Second major exam</th>
<th>Third major exam</th>
<th>Report</th>
<th>Lab work</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100-125 points</td>
<td>100-150 points</td>
<td>125-150 points</td>
<td>100</td>
<td>150-200</td>
</tr>
<tr>
<td>B</td>
<td>90 - 100 = A</td>
<td>80 - 89 = B</td>
<td>70 - 79 = C</td>
<td>points</td>
<td>points</td>
</tr>
<tr>
<td>C</td>
<td>60 - 69 = D</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>0 - 59 = F</td>
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</tr>
</tbody>
</table>

VII. NOTES AND ADDITIONAL INSTRUCTIONS FROM COURSE INSTRUCTOR

A. Course Withdrawal: It is the student's responsibility to officially drop a class if circumstances prevent attendance. Any student who desires to, or must, officially withdraw from a course after the first scheduled class meeting must file an Application for Withdrawal or an Application for Refund. The withdrawal form must be signed by the student. Application for Withdrawal will be accepted at any time prior to Friday of the 12th week of classes during the 16-week fall and spring semesters.

The equivalent date (75% of the semester) will be used for sessions of other lengths. The specific last day to withdraw is published each semester in the Schedule Bulletin.

Students who officially withdraw will be awarded the grade of "W", provided the student's attendance and academic performance are satisfactory at the time of official withdrawal. Students must file a withdrawal application with the college before they may be considered for withdrawal.
A student may not withdraw from a class for which the instructor has previously issued
the student a grade of "F" or "FN" for nonattendance.

B. **Administrative Withdrawal:** An administrative withdrawal may be initiated when the
student fails to meet College attendance requirements. The instructor will assign the
appropriate grade on the Administrative Withdrawal Form for submission to the registrar.

C. **Incomplete Grade:** The College catalog states, "An incomplete grade may be given in
those cases where the student has completed the majority of the course work but, because
of personal illness, death in the immediate family, or military orders, the student is unable
to complete the requirements for a course..." Prior approval from the instructor is
required before the grade of "I" is recorded. A student who merely fails to show for the
final examination will receive a zero for the final and an "F" for the course.

D. **Cellular Phones and Beepers:** Cellular phones and beepers will be turned off while the
student is in the classroom or laboratory. Any cellular phones or beepers that go off
during class will become the property of the instructor.

E. **American’s with Disabilities Act (ADA):** Disability Support Services provide
services to students who have appropriate documentation of a disability. Students
requiring accommodations for class are responsible for contacting the Office of
Disability Support Services (DSS) located on the central campus. This service is
available to all students, regardless of location. Explore the website at
[www.ctcd.edu/disability-support](http://www.ctcd.edu/disability-support) for further information. Reasonable
accommodations will be given in accordance with the federal and state laws
through the DSS office.

F. **Instructor Discretion:** The instructor reserves the right of final decision in course
requirements.

G. **Civility:** Individuals are expected to be cognizant of what a constructive educational
experience is and respectful of those participating in a learning environment. Failure to
do so can result in disciplinary action up to and including expulsion.

H. **Office Hours:** Students are encouraged to take advantage of the instructor’s office hours.
No appointment is necessary for such visits.

I. **Unethical Behavior:** Cheating in any form will not be tolerated.

J. **Arriving Late:** Students are expected to arrive to lecture, labs, and exams on time.
Students arriving late not only interrupt the instructor but also the class. Students arriving
late to exams will not be given additional time to complete the exam.

K. **Disruptive Behavior:** Any type of student behavior that interferes with the rights of
fellow students will not be tolerated, and students engaging in such behavior will be
asked to leave the class room.

L. Common Courtesy: Students are expected to remove their hats when class meets inside.

VIII. COURSE OUTLINE

A. Lesson One: Biology of the Horse

1. Learning Outcomes: Upon successful completion of this lesson, the student will:
   a. List the parts of the skeletal system
   b. List the parts of the respiratory system
   c. List the parts of the digestive system

2. Learning Activities:
   a. Classroom lecture/discussion
   b. Student homework study
   c. Reading assignment: Chapter 5

3. Lesson Outline:
   a. Skeletal system
   b. Respiratory system
   c. Digestive system
   d. Reproductive system

B. Lesson Two: Reproductive Physiology of the Mare and Stallion

1. Learning Outcomes: Upon successful completion of this lesson the student will be able to:
   a. List the parts of the mares reproductive track
   b. List the parts of the stallions reproductive track
   c. Describe castration
   d. Describe sexual behavior
   e. Describe semen production

2. Learning Activities:
   a. Classroom lecture/discussion
   b. Student homework study
   c. Reading assignment: Chapters 11 & 12
3. **Lesson Outline:**

   a. Mares reproductive parts  
   b. Stallions reproductive parts  
   c. Castration  
   d. Sexual behavior  
   e. Semen production  

C. **Lesson Three: Health of the Horse**

1. **Learning Outcomes:** Upon successful completion of this lesson, the student will:

   a. Describe and identify the particular appearance or behavior in a horse indicating sickness or disease  
   b. Describe appropriate record keeping  
   c. List an appropriate vaccination program  
   d. List and describe infectious diseases in horses  
   e. List metabolic and miscellaneous diseases in horses  

2. **Learning Activities:**

   a. Classroom lecture/discussion  
   b. Student homework study  
   c. Reading assignments: Chapter 18  

3. **Lesson Outline:**

   a. Behavior indicating sickness disease  
   b. Record keeping  
   c. Vaccination program  
   d. Infectious diseases  
   e. Metabolic and miscellaneous diseases  

D. **Lesson Four: Management of the Horse**

1. **Learning Outcomes:** Upon successful completion of this lesson, the student will:

   a. Describe heritability of performance  
   b. Describe environmental influences  
   c. Describe the factors determining a horses intelligence  
   d. List the categories of behavior
2. **Learning Activities:**
   
a. Classroom lecture/discussion  
b. Student homework study  
c. Reading assignment: Chapter 20

3. **Lesson Outline:**
   
a. Heritability of performance  
b. Environmental influence  
c. Intelligence  
d. Categories of behavior

E. **Lesson Five:** Genetics of the Horse

1. **Learning Outcomes:** Upon successful completion of this lesson, the student will:
   
a. Describe the transmission of genetic material  
b. List the determining factors of the sex of the foal  
c. Describe the procedure for determining the color of a horse  
d. Describe simply inherited lethals

2. **Learning Activities:**
   
a. Classroom lecture/discussion  
b. Student homework study  
c. Reading assignments: Chapter 14 & 15

3. **Lesson Outline:**
   
a. Genetic material and its transmission  
b. Sex determination  
c. Color determination  
d. Inherited lethals