

Syllabus AG208 – Agricultural Science – Veterinary Science - Mrs. Goodner

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Course Description - This course will examine the anatomy/physiology, nutrition, reproduction, disease, care and management of animals from a veterinary medical standpoint. Leadership development and FFA activities will be emphasized. An approved supervised agricultural experience will be developed and conducted by each student. This class meets 1 of the District's science graduation requirements and ½ lab credit for AZ university entrance.

Course Procedures - Performance objectives for this course can only be completed by student participation in planned activities. Student grades will be based upon the completion of assignments given both in class and in the laboratory. Students are expected to dress appropriately for activities planned and work conducted. Safety procedures will be emphasized at all times.

Competencies/Topics:

1. Investigate hazards common to veterinary practices.
2. Learn veterinary terminology.
3. Identify anatomical and directional terminology, the skeletal and muscular systems and the respiratory and nervous systems.
4. Conduct clinical exams.
5. Research and practice common veterinary hospital procedures.
6. Identify parasites by damage and lifecycles as well as treatments and controls.
7. Apply veterinary office management procedures.
8. Calculate/apply posology (veterinary math).
9. Safely conduct veterinary laboratory techniques.
10. Identify digestive systems and proper nutrition.
11. Identify animal diseases, their modes of transmission, prevention and treatments.
12. Identify animal interaction in society, and animal right vs. welfare.
13. Identify animal industry careers, develop job seeking documents and skills.
14. Identify animal breeds, behavior, communication and training procedures.

Due to the hand-on nature of this class, students will have the opportunity to work with a variety of animals such as pigs, sheep, goats, fish, rabbits, guinea pigs, birds, nonvenomous reptiles, etc. Any allergies or other issues preventing students from interacting with the animals must be communicated with the teacher prior to handling the animal. Students are expected to dress appropriately for the activities planned and work conducted as well as follow all safety procedures.

MAJOR PROJECTS/EXAMS - Unit exams or projects will be given or unit projects will be completed at the end of each unit. Ample notification will be given for due dates and times of exams. Students will also be evaluated on their behavior and daily work logs. Final exam will count for 20% of semester grade. Veterinary Science Student Workbook, Elisabeth Martinec, Cornell Univ.

Grading - Students will earn points by written assignments, quizzes, tests, and hands on activities in the laboratory. **Approximate point values per semester are as follows: School policies for late assignments will be implemented.**

Written assignments, article summaries, speeches, quizzes, tests	1000 points
Laboratory work	200 points
Final Exam / Required Forms completed	200 points
Group Projects	1500 points
Leadership Points	100 points
Supervised Agricultural Experience	100 points
Total points possible	3100 points

Major Projects - Some of the major projects in the class include keeping personal records, livestock auction, animal husbandry and public speaking. These include speeches, research project, group projects and animal care responsibilities. Students will also be required to conduct a Supervised Agricultural Experience. This is a work/research/ or entrepreneurial project in agriculture. They will keep records and be graded on completion of the project each semester. Students will also be involved, working outdoors with livestock, including physical labor.

Students may be excused from the final by earning a 95% or higher and have no missing assignments and/or unexcused absences, or less than 3 excused absences. Students absent more than 10 days may receive a failing grade.