Animal Science

Course Number: 02.421000　　　　　**Instructor:** Mr. Farbotko
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Room: 712　　　　　　　　　　　　　　　**Planning:** 5th Period
Prerequisite: Basic Agriculture (1st level)

Plant Science Google Classroom Code: fgeywne
FFA Google Classroom Code: dn6hu5i

Course Description:
This course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural and small animals, and the production, processing, and distribution of agricultural animal products. This course introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. Course S

Units of Instruction:
Course Standards:

Standard	Description
AFNR-ASB-1	Demonstrate employability skills required by business and industry
AFNR-ASB-2	Orient and apply the comprehensive program of agricultural education, learns to work safely to work in the agriculture lab and work sites, demonstrates selected competencies in leadership through the FFA and agricultural industry organizations, and develop plans for a Supervised and Agricultural Experience Program (SAEP)
AFNR-ASB-3	Demonstrate and describe the application of scientific methods in agricultural animal research and production (Small Animals)
AFNR-ASB-4	Demonstrate and describe the various phases, segments, trends, consumption and economic scope of the large animal industry
AFNR-ASB-5	Demonstrate and describe the various phases, segments, trends, consumption and economic scope of the poultry industry
AFNR-ASB-6	Demonstrate and describe the various phases, segments, trends, consumption and economic scope of dairy industry
AFNR-ASB-7	Evaluate trends in the aquaculture industry and the scientific principles involved in the production of aquatic animals
AFNR-ASB-8	Describe the various phases, segments, trends, demonads, consumption, and economic scope of the alternative and laboratory animals (Small Animals)
AFNR-ASB-9	Classify animals using scientific nomenclature as well as classified agriculture animals byu breed and use
AFNR-ASB-10	Explain and addresses the general public's food safety and environmental concerns
AFNR-ASB-11	compare and contrast crucial animal welfare issues and explain the benefits of treating animals in a humane manner and providing for the needs of animals
AFNR-ASB-12	Observe and interpret the natural behavior of agricultural animals and relate these behaviors to production practices yield more content, healthier and productive animals
AFNR-ASB-13	Apply genetic principles to animal selection, breeding and production
AFNR-ASB-14	Apply scientific methods of animal selection and evaluation and explain the advantages and disadvantgres
AFNR-ASB-15	Discuss the reproductive anatomy and biological processes involved in the reproduction of agricultural animals
AFNR-ASB-16	describe the physiological processes involved in prenatal and postnatal growth and development of agricultural (Livestock, Small Animals, Equine and Poultry) animals
AFNR-ASB-17	Explain nutrient sources and functions as they relate to monogastric and ruminant agricultural animals
AFNR-ASB-18	Investigate the physiological and chemical properties of meat products and preservation
AFNR-ASB-19	Describe the effects, development and control of parasites in agricultural animals
AFNR-ASB-20	Identify and describe animal diseases, animal immune systems and disease prevention and control programs

Student Materials:
Each student is required to have something to write with (pencil, pen, etc.), something to write on (paper), and somewhere to keep items given to you as resources or references for this class (notebook). Students will be encouraged to submit assignments using technology. We have chromebooks available for your use in class, but you are welcome to bring your own technology to use for classwork purposes as well. However, the school is not responsible for lost, stolen, misused, or damaged personal belongings.

All students are required to bring $10 to cover the classroom dues. This fee can be paid through IC or in the front office.

Labs:
Dress appropriately for lab situations (no flip flops, clothes that can't get dirty, etc). I will notify you of labs at least one day in advance so that you may be prepared. Failure to participate in labs will result in a '0' for the lab activity.

9 Weeks Grades will be weighted as follows:

> 25%   Classwork… daily journals, daily grades (worksheets/handouts), minor presentations, minor SAE grades (Teacher Approval Form, SAE Progress Checks), Participation

> 35%   Tests/Quizzes… unit tests, daily quizzes, notebook checks

> 40%   Projects/Laboratories… major projects & presentations, laboratories & performance assessments, major SAE grades (Proficiency Application, Presentation, folder check)

Supervised Agricultural Experience (SAE):
The Supervised Agricultural Experience (SAE) is a project that is state mandated and carried out through the nation. This serves as an opportunity for the student to venture on his/her passion in learning something career related that sparks their personal interests. Each student will develop and plan an SAE project in which they will spend at minimum of 30 hours outside of class completing. We will discuss the SAE in detail during the first few weeks of the school year. Many examples/ideas will be shared during this time. Check point grades will be taken periodically throughout this course to ensure projects are continuously and adequately completed. This is a large portion of the student's grade and will require some parent involvement and supervision. Data is the keyword. This project's objective is to teach students how to keep information and present it in an appropriate manner. SAE paperwork will be made available for you to reference.

- VISIT – The instructor will be available ANY time to come and assist you with your project. Students must sign-up for visitation appointments. Agreement Forms should be signed by the parent and student. The instructor will make visits throughout the year.
- RECORDS – These are to be kept on your projects and will be graded. You must include a minimum of 6 working (student is actively working on the experience) photographs of project work.
- CONTENT – You may choose from a wide array of agriculture experiences for the SAE. However, the teacher and a parent must also approve the projects.
- PRESENTATION – At the end of the semester the student will be required to give a presentation on his/her SAE project.

FFA:
Agriculture Education's student organization is a co-curricular component of Basic Ag. Students will review the history of FFA and the activities, awards, and benefits of being an FFA member. Students are encouraged to participate in all three areas of the Agriculture Education program including classroom instruction, SAE, and FFA membership. Students participating in FFA career development events must be a current member of the FFA chapter. Active participation is strongly encouraged to get the full output of the course.

Professionalism:
Students are to come to class every day to work for the entire time just as if the classroom was a job location. Professional development would include among other things an attitude of teamwork, punctuality, dress appropriate to the work environment, courtesy and respectful language. This portion will be graded in the class participation section of your final grade.

Make-up Work:
Students should keep track of due dates and assignments through Google Classroom. If there is an extenuating circumstance in which work cannot be completed on time, please contact me personally so we can discuss an alternative due date.

Please fill out the linked form to show you have read this syllabus and agree to complete an SAE for course credit.
https://docs.google.com/forms/d/e/1FAIpQLSfMocqLp7NGzw-kIDoK3f3RmYgFnzVAqpjxT4gpcrnGDxJ-vA/viewform?usp=sf_link

Disclaimer: The content of this syllabus is subject to change.

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