



# Introduction to Animal Science

Crook County High School

Career and Technical Education Department

Dan McNary – Instructor

Phone: 541-416-6900 x 3151

[dan.mcnary@g.crookcountyschools.org](mailto:dan.mcnary@g.crookcountyschools.org)

## Course Description:

A course designed to give students hands on skills in the area Livestock management. Students will be instructed in the areas of animal production, nutrition, reproduction, genetics, health, welfare and selection.

**Grade Level: 9-12**

**Length of Course: Semester**

**Meets Graduation Requirement in: SC, CTE, EL, HD\***

**Credit = .5**

## Course Goal:

By the end of the semester, 100% of students will meet or exceed subject level learning standards in the Introduction to Animal Science course as measured by a score of 70% or better on the course final exam.

## Grading

Students will receive a grade weighted 90% on assessments and 10% on classroom work. Student will be graded on their own work towards meeting the standards in the Agricultural Program. All group work will be graded based on the individual contributions to the project



### The grading scale will be as follows:

A = 90-100%    B = 80-89%  
C = 70-79%    D = 60-69%    F = 0-59%

## HAVE SOME P.R.I.D.E.

- P**articipate in classroom and school activities.
- Have **R**espect for staff, students, guests and property.
- Show **I**ntegrity in all that you do.
- Accept **D**iversity in our students, staff and community.
- Strive for **E**xcellence in all that you do.


## Learning Standards:

- AG 02.01** – Use Oral and written communication in creating, expressing and interpreting agricultural information including technical terminology.
- AG 03.01** – Solve agricultural problems using critical thinking skills.
- AG 04.01** – Use information technology tools to access, manage, integrate create and communicate agricultural information.
- AG 07.01** – Use leadership skills in collaborating with others to accomplish agriculture related organizational goals and objectives.
- AG 08.01** – Know and understand the importance of professional ethics and legal responsibilities in agricultural careers.
- AG 09.01** – Know and understand the importance of employability skills for agricultural careers.
- AG 10.01** – Use tools, equipment, machinery and technology to work in areas related to agriculture.
- ANS 02.** – Classify, evaluate, select and manage animals based on anatomical and physiological characteristics.
- ANS 04.** – Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals.
- ANS 08.** – Analyze environmental factors associated with animal production.
- WR-TS 2a-f** – Write informative/explanatory texts, including the narration of historical events, scientific procedures/experiments, or technical processes.

## Critical Content:

The Students Will Be Able To:

- I. Describe why and how animals were domesticated.
- II. Describe the importance of animals on society.
- III. Describe the impact of animals on the environment.
- IV. Classify common livestock species scientifically.
- V. Identify breeds of livestock by descriptions and images.
- VI. Describe production practices in the following industries:
  - a. Beef
  - b. Sheep
  - c. Swine
  - d. Dairy
  - e. Poultry
  - f. Equine
  - g. Alternative species
- VII. Select Livestock for meat production and breeding purposes.
- VIII. Describe Gene Transfer in livestock.
- IX. Identify anatomy and physiology of the male and female reproductive tracts.
- X. Explain the estrous cycle of various livestock species.
- XI. Explain the use of Artificial Insemination, Embryo Transfer and Cloning in livestock.
- XII. Identify nutritional needs of livestock.
- XIII. Identify common diseases and parasites, and their treatment and prevention.
- XIV. Describe the slaughter process of beef, sheep, swine and poultry.
- XV. Grade beef carcasses for quality and yield.
- XVI. Describe Animal welfare issues in agriculture.

<p align="center"><b><u>Needed Materials</u></b></p> <ul style="list-style-type: none"> <li>- Spiral Notebook</li> <li>- 3 Ring Binder (Section of a binder will be adequate)</li> <li>- Chrome</li> <li>- Colored Pencils/markers</li> </ul>	<p align="center"><b><u>Notification of the Right to Object to the Use of Materials</u></b></p> <p>Any resident of the district may raise objection to instructional materials used in the district’s educational program despite the fact that the individuals selecting such materials were duly qualified to make the selection and followed the proper procedure and observed the criteria for selecting such material.</p> <p>The first step in expressing objection is consultation with the classroom teacher or library staff and providing a brief written complaint. The staff member receiving a complaint regarding instructional materials shall try to resolve the issue informally through the discussion of the original assignment or the opportunity for an alternative assignment.</p> <p>If not satisfied with the initial explanation or an alternative assignment, the person raising the questions will meet with a building administrator who, if unable to resolve the complaint, will provide a Request for Reconsideration form which will be given to the superintendent for action.</p>
<p align="center"><b><u>Needed Tech Info</u></b></p> <p align="center"><b>Google Classroom Code</b> 7<sup>th</sup> Period – 89gnhq</p> <p align="center"><b>The AET Login</b> <a href="http://www.theaet.com">www.theaet.com</a> username: FirstInitialLastName Initial Password is the same</p>	
<p align="center"><b><u>Make-Up Work Policy</u></b></p> <p>A student may retake any assessment a maximum of two times. Students will be allowed to make up an assessment within a three-week timeframe beginning when the original assessment is given. Students may be given additional work, required ELO time and/or student lunch tutoring prior to the exam retake(s). The retake exam may also be different, and more rigorous, than the original.</p>	<p align="center"><b><u>Late Work Policy</u></b></p> <p>Work is due at the beginning of the class period following the day that it was assigned unless otherwise stated by the instructor. All late work will receive a 10% deduction when graded for each day that it is late after the due date. Work that is ten or more days late will receive a 0% and will not be allowed to be made up after the midterm. The exception to this will be on student support days at the midterm. Students who come to the student support day will be allowed to make up work that they are missing.</p>
<p align="center"><b><u>Extra Credit Policy</u></b></p> <p>Extra Credit will be assigned in limited situations. Students will not be given extra credit opportunities to make up for missing work.</p> <p align="center"><i><b>Extra!</b></i></p>	<p align="center"><b><u>College Credit</u></b></p> <p align="center"><b><u>ANS 121: Introduction to Animal Science</u></b></p> <p>The Introduction to Animal Science course is articulated for four (4) transferable college credits through Linn-Benton Community College. Students must complete a student registration through LBCC to receive the credit. There is no cost to CCHS students to earn credit through the LBCC College Now program. Students of all grades may earn the credit, and credit will show as the grade earned in the high school class. Students will be responsible for withdrawing from the LBCC credit prior to grading if they believe that they will fail the class in order for the failing grade to not show up on their college transcript.</p>
<p align="center"><b><u>Extra Learning Opportunity (ELO)</u></b></p> <p>Students who are not earning an A, B, or C in Introduction to Agricultural Science may be required to come to ELO time for additional assistance or to complete make up work. The teacher will notify the student when they are required to attend.</p> <p>The student may also be <u>required</u> to attend a specific make up day during parent/teacher conferences to complete missed work.</p> <p align="center"><i><b>We Are CC!</b></i></p>	<p align="center"><b><u>Crook County FFA Chapter</u></b></p>  <p>The CCFFA is an affiliated member of the Oregon FFA Association and the National FFA Organization. As such, each student enrolled in the AST program is an FFA member. This provides ALL students with the opportunity to participate in the FFA activities that they wish to during the school year. There is no associated membership cost to any student, with the exception of the cost associated with official dress for those that choose to participate in our FFA program of activities.</p> <p>The FFA is an essential part of the Agricultural Education Model and all students benefit from it in the classroom. I would encourage all students to explore the opportunities available in the FFA. To see what we do, like our Facebook page or schedule a time to talk to Mr. McNary.</p>