



**Dallas High School  
Home of the Dragons**



**Animal Science**

**2019-2020**

**Instructor:** Ryan Rowley

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**Office Hours:** By arrangement.

**Prerequisite:** NA

**Course Description:**

The animal science course is aligned with the LBCC ANS 121 course (at such time as articulation agreements are reached this course may be offered for LBCC credit). The course examines body systems of the food and fiber species and the interaction of these systems. The students are introduced to a various phases of the livestock industry, including terminology production practices, marketing, and selection techniques.

**Texts and Lab Manuals:**

None Assigned

**Course Outline: First Semester**

	Unit Topic	Summative Assessment	Standards
Unit 1	Introduction to ag and animal science	Group promotional animal science display - rubric	AG 01.01 ACQUIRE THE SPECIFIC ACADEMIC KNOWLEDGE AND SKILLS NECESSARY TO PURSUE A FULL RANGE OF CAREER AND POST-SECONDARY OPPORTUNITIES WITHIN AGRICULTURAL BUSINESS AND INDUSTRIES AG 05.01 - IDENTIFY AGRICULTURE RELATED ORGANIZATIONS
Unit 2	Livestock evaluation	Unit exam Practicum – evaluation of livestock placement / reasons Graphic display - rubric	AG 02.01 USE ORAL AND WRITTEN COMMUNICATION SKILLS IN CREATING, EXPRESSING AND INTERPRETING AGRICULTURAL INFORMATION AND IDEAS INCLUDING TECHNICAL TERMINOLOGY. ANS 02. - Classify, evaluate, select and manage animals based on

			anatomical and physiological characteristics.
Unit 3	Cellular function	Cell function graphic display - rubric Unit exam	AG 01.01 - ACQUIRE THE SPECIFIC ACADEMIC KNOWLEDGE AND SKILLS NECESSARY TO PURSUE A FULL RANGE OF CAREER AND POST-SECONDARY OPPORTUNITIES WITHIN AGRICULTURAL BUSINESS AND INDUSTRIES.
Unit 4	Genetics and heredity	Genetics lab write up and report Unit exam Heredity labs #1, #2, and #3 write ups	ANS 05. - Evaluate and select animals based on scientific principles of animal production.
Unit 5	Digestion and nutrition	Digestion lab report Digestions lab design Nutrition lab report Unit exam Tract dissection	ANS 04. - Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals.
Unit 6	Selection and reproduction	Unit exam Reproduction lab EPD report Reproduction dissection	AG 02.02 - COMMUNICATE AGRICULTURAL TECHNICAL INFORMATION CLEARLY AND EFFICIENTLY USING TEMPLATES, STANDARD FORMATS AND TECHNICAL INSTRUMENTS AND TOOLS.
Unit 7	Issues in animal agriculture	Unit overview Issues paper – rubric Presentation - rubric	ANS 09. - Identify contentious issues in animal science. AG 03.02 - ACCESS RELEVANT RESOURCES TO IDENTIFY PUBLIC POLICIES, ISSUES AND REGULATIONS IMPACTING AGRICULTURAL MANAGEMENT.
Unit 8	International Animal Production & Biosecurity	Written exam and practicum	AG 01.01 Acquire the specific academic knowledge and skills necessary to pursue a full range of career and post-secondary opportunities within agricultural business and industries AG 05.01 - Identify agriculture related organizations
Unit 9	Livestock Body Systems	Unit exam	Ag 02.01 Use oral and written communication skills in creating, expressing and interpreting agricultural information and ideas including technical terminology. ANS 01. - Examine the components, historical development, global implications and future trends of the animal systems industry.
Unit 10	Common Surgical Procedures	Cell function graphic display - rubric Unit exam	. ANS 03. - Provide for the proper health care of animals.

Unit 11	Animal Care procedures	Unit exam Handling practicums	ANS 03. - Provide for the proper health care of animals.  ANS 06. - Outline handling procedures for the safety of animals, producers and consumers of animal products.
Unit 12	Meat Science	Unit exam Identification practicum	ANS 01. - Examine the components, historical development, global implications and future trends of the animal systems industry.
Unit 13	Poultry	Unit exam	AGS10.04 - Forecast the influence of emerging technology on widespread agricultural markets.

### **Standards to Be Assessed:**

Upon successful completion of the course, students should be able to:

1. AG 01.01 - ACQUIRE THE SPECIFIC ACADEMIC KNOWLEDGE AND SKILLS NECESSARY TO PURSUE A FULL RANGE OF CAREER AND POST-SECONDARY OPPORTUNITIES WITHIN AGRICULTURAL BUSINESS AND INDUSTRIES.
2. AG 05.01 - IDENTIFY AGRICULTURE RELATED ORGANIZATIONS, IN THE AGRICULTURE MANAGEMENT SYSTEM AND THEIR ROLES.
3. AG 02.01 - USE ORAL AND WRITTEN COMMUNICATION SKILLS IN CREATING, EXPRESSING AND INTERPRETING AGRICULTURAL INFORMATION AND IDEAS INCLUDING TECHNICAL TERMINOLOGY.
4. AG 02.02 - COMMUNICATE AGRICULTURAL TECHNICAL INFORMATION CLEARLY AND EFFICIENTLY USING TEMPLATES, STANDARD FORMATS AND TECHNICAL INSTRUMENTS AND TOOLS.
5. AG 03.02 - ACCESS RELEVANT RESOURCES TO IDENTIFY PUBLIC POLICIES, ISSUES AND REGULATIONS IMPACTING AGRICULTURAL MANAGEMENT.
6. ANS 02. - Classify, evaluate, select and manage animals based on anatomical and physiological characteristics.
7. ANS 04. - Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals.
8. ANS 05. - Evaluate and select animals based on scientific principles of animal production.
9. ANS 09. - Identify contentious issues in animal science.
10. ANS 04. - Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals.
11. ANS 05. - Evaluate and select animals based on scientific principles of animal production.
12. ANS 09. - Identify contentious issues in animal science.

**Career Related Learning Standards:** Career-related learning standards (CRLS) are fundamental skills essential for success in employment, college, family, and community life. We have integrated the Personal Management standard from the CRLS into all courses at DHS. **This standard will be assessed and communicated independent of the academic grade.** It is included below and mainly includes behaviors that will be assessed in this course.

- **Personal Management Standard:** Exhibit appropriate work ethic and behaviors in school, community and workplace.
  - Students will identify tasks that need to be done and initiate action to complete the tasks.
  - Students will plan, organize and complete projects and assigned tasks on time, meeting agreed upon standards of quality.
  - Students will take responsibility for decisions and actions and anticipate consequences of decisions and actions.
  - Students will maintain regular attendance and be on time daily.
  - Students will maintain appropriate interactions with colleagues.

**Grading and Assessment:**

Student's final grade for each course will be broken down into two categories:

- 1) **Academic:** based on assessments, tests, projects and performances that measure learning.
- 2) **Personal Management:** based on homework completion and other behaviors measuring the CRLS personal management standard.

**The Final grade is calculated as follows: 75%** of the course grade will be based on the **Academic** grade and **25%** on the **Personal Management** grade.

- Any items included in the Academic grade (PA) may be retaken and the higher grade recorded. Teachers may extend the retake time period, but as a rule all retakes need to be done within **2 weeks** of the initial assessment.
- Students will complete extra preparation before retaking an assessment.
- Personal management work turned in late may be reduced by up to 50% credit.
- Retakes are not allowed on Personal Management assignments.
- Students must schedule performance retakes at their teacher's convenience. (Speech, drama, labs.)
- All projects/assignments must be completed within the Dallas High School AST program facility. You may not make up labs and or projects at home.

**Academic Integrity:** We expect students to express academic integrity by doing their own work and properly documenting information gathered from other sources. Students who violate the principles of academic integrity will be subject to disciplinary consequences (see Insubordination section of the on-line student agenda).

**Extra Credit:** Extra credit is not offered, however students may be given additional opportunities to show mastery.

**Tardies and Unexcused Absences:**

- Tardies and Unexcused absences will be reflected in your Personal Management grade.
  - 75% of your PM grade will be based on assignments, participation, and timeliness
  - 25% of your PM grade will be based on being ON TIME, including attendance.

- For every Tardy, students will lose 10% of this grade.
- For every Unexcused Absence, students will lose 20% of this grade.
- There is no penalty for Excused Absences.

**Extra Help:** Beginning this year, students will have access to the Dallas Study Center, an area for students to retake tests, make up other work, or to complete study table hours for a coach. It will be staffed full time and available for students Monday-Friday, from 8 a.m. to 4 p.m. Students may access this during open periods and during Monday early release time, before all sports practices.

**Bathroom/Hall Pass:** Also beginning this year, we will be implementing a new policy on frequency of students leaving the classroom. Students have 8 minutes between classes, except on Mondays (5 min.) with which to take care of those needs. No student will be allowed to leave the classroom in the first 20 minutes of class, or the last 20 minutes of class

**Parents/Guardians:** Please sign this sheet, detach, and send back with your student. By signing this form, you acknowledge that you have read and fully understood the expectations, rules, and standards associated with Carpentry I. You also fully understand the need for complete cooperation from your student in a class of this size. Should you have questions, please call 503-623-8336 x 3212 or email using the email address provided in this document.

Please note that student grades and progress are available via the eschool access portal on our high school website. It is recommended that parents who wish to track their student's progress utilize this system to do so.

**Cell Phones and Electronic Devices:**

Cell Phones and electronic devices are to be used only at the instructor's discretion. In many cases the physical nature of the course and the environment in which it is held are not electronics friendly and it is therefore recommended that students safely store their devices during this course. Misuse of such devices will, most likely, be handled under the insubordination and/or disruptive behavior portion of the student handbook.

**Below please indicate the best method of contact as well as the best time to contact.**

Parent Name:

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Parent Signature:

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Parent email Address:

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Parent Phone:

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Student Name: \_\_\_\_\_ Best time to call: \_\_\_\_\_

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Student Signature:

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**PLEASE DETACH & RETURN THIS PAGE**

Thank you.

With the passage of senate bill 2444 all students enrolled in agricultural education course at Dallas High School will have paid membership in the National FFA Organization. Students have access to and are encouraged to participate at the level with which they feel comfortable. The FFA is a youth leadership organization that is dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. If you have any questions please ask.