



**Learn  
Everywhere  
with 4-H**



# **2025-2026 Course Catalog**

**Animal Science and  
Civic Engagement courses  
available**



University of Idaho  
Extension



## **Welcome to the Learn Everywhere with 4-H Courses!**

Currently, we are offering Animal Science and Know Your Government courses. In the future, we will be expanding to accommodate the needs of the youth.

All our courses include:

- lessons that have information to learn, activities to do and quizzes to check for understanding,
- a 4-H project you are already working on or a new one you start,
- examples/suggestions for learning activities you will do,
- a presentation/demonstration on your project,
- an interview where you will be able to express what you have learned,
- and a record book.

You would start either with a project in mind or a topic you want to learn more about.

Look through this course catalog for the courses that are available now. If you want some help deciding, feel free to contact your local county extension office or 4-H club. The course numbers align to the three skill levels used in 4-H. Level 1 skills would be 100 courses, Level 2 skills would be 200 courses and level 3 skills would be 300 courses.

Each course has been aligned with the Idaho State Standards (included in the lesson plans) and will involve 60 hours of the course work listed above. The lessons will give you information you will apply to your project.

Through your experiences with your 4-H club and county extension you will gain soft skills like work ethic, teamwork, collaboration, professionalism, citizenship, civic responsibility, oral and written communication, financial literacy, and critical thinking which are aligned with the Idaho State Board of Education College and Career Readiness Competencies found in Appendix A.

To pass the course, you must have Meet Expectation on all the Rubrics found in Appendix B.

See the next page for the term timelines which include the dates to register for the classes and completion dates.

## Timeline to Completion

Term	Fall
9/1	Sign up starts
10/29	½ of the lessons, 4-H project, 4-H meetings, Learning Activities completed which should total 30 hours of work
12/1	Everything is finished except for the Rubrics
12/15	Final time to upload documents per term would be before midnight on this date.
Term	Spring
1/1	Sign up starts
3/1	½ of the lessons, 4-H project, 4-H meetings, Learning Activities completed which should total 30 hours of work
3/18	Everything is finished except for the Rubrics
5/1	Final time to upload documents per term would be before midnight on this date.
Term	Summer
5/1	Sign up starts
6/26	½ of the lessons, 4-H project, 4-H meetings, Learning Activities completed which should total 30 hours of work
8/18	Everything is finished except for the Rubrics
9/1	Final time to upload documents per term would be before midnight on this date.

## **Animal Science Courses**

### **AN SCI 101 Animal Facilities Management – Available Fall 2025**

*This course covers how to select optimal bedding for animal performance, design adequate pen space, handle animals safely by understanding flight zones, and manage barn temperature and airflow to support growth and productivity.*

Environment: Caring for My Animal

Housing My Animal

Safe Animal Handling

Temperature and Ventilation (Air Flow) in the Barn

### **AN SCI 102 Animal Health 1 – Online Fall 2025**

*This course covers the difference between healthy and sick animals, causes of sickness, proper injection techniques, and how to read, interpret, and identify the parts of a medication label and insert.*

What Does a Healthy Animal Look Like?

Injection Sites and Techniques

Reading Medication Labels: Level 1

### **AN SCI 103 Animal Advocacy & Marketing - Available Summer 2026**

*This course covers how to create a positive public image when discussing agriculture, where food comes from, the range of agriculture careers, how to write a thank you letter and how to speak to others to market a product.*

Connecting with Public through a Positive Image

Where Our Food Comes From

Career Exploration

Marketing: Thank You Letters

## AN SCI 104 Animal Welfare - Available Summer 2026

*This course covers keeping animals calm to impact behavior, moving animals safely using flight zone and point of balance, conducting safety inspections on a trailer and demonstrating safe loading and unloading of livestock.*

Animal Handling

Animal Moving

Animal Hauling

## AN SCI 105 Animal Nutrition 1 – Available Fall 2025

*This course covers how to track and provide adequate food to help an animal reach market weight, identify the first necessary feed nutrients to grow properly and how to assess and read a feed label.*

Average Daily Gain

Five Basic Nutrients

Feed Labels

## AN SCI 106 Animal Selection & Evaluation 1 – Online Fall 2025

*This course covers popular livestock breeds for beef, swine, sheep and goat, the impact of frame size on market ready weights, the importance of structural correctness, and skeletal structures of beef, swine, sheep and goat.*

Common Livestock Breeds

Frame Size and Market Ready Weights

Structural Conformation

Skeletal Structure

## **AN SCI 107 Animal Quality Assurance 1 - Available Summer 2026**

*This course covers the role of Quality Assurance, the products that contain animal by-products and how animals raised by 4-H & FFA become food products for consumers.*

Why is Quality Assurance Important?

Animal By-Products

Ideal Market Animal

## **AN SCI 108 Planning & Record Keeping – Online Fall 2025**

*This course covers the resources needed to raise a livestock project, the need for animal identification, how to develop a budget to track income and expense including feed expenses, and the necessary paperwork and ownership requirements.*

What's Your Plan?

Animal Identification

Making a Plan: Costs to Raise Market Animals

Livestock Ownership Records

Budgeting for Feed Expense

## **AN SCI 109 Animal Management: Showring – Available Fall 2025**

*This course covers the equipment needed to show an animal, the different methods needed to getting an animal gentle enough to handle safely, the preparation needed to show an animal and the skills needed to successfully exhibit an animal.*

Equipment

Halter Breaking and Gentling

Getting Ready for the Show

Showmanship

## **AN SCI 110 Animal Health 2 – Online Fall 2025**

*This course covers establishing a sound veterinarian-client-patient relationship (VCPR), better understanding of a medication label, calculating proper dosage for different animals, preventing diseases, and keeping proper records.*

Preventable Practice

Veterinary Client Relationships

Reading Medication Labels: Level 2

## **AN SCI 201 Animal Health 3 – Available Summer 2026**

*This course covers developing a vaccination/herd health plan, keeping records for disease prevention, and defining biosecurity while creating a biosecurity plan for a herd/flock.*

Vaccination Plans and Understanding Immunity

Animal Record Keeping for Disease Prevention

Animal Biosecurity

## **AN SCI 202 Animal Selection & Evaluation 2 – Available Fall 2025**

*This course covers the basics of livestock evaluation and judging through identifying animal body parts, terms and judging criteria. It will compare the livestock industry goals and standards for beef, sheep, goat, and swine as well as implementing evaluation criteria for selecting a project animal keeping Expected Progeny Differences in mind. While learning how to judge livestock you will learn how to give oral reasons.*

Livestock Evaluation

Project Animal Selection

Livestock Judging, Note Taking and Oral Reasons

Expected Progeny Differences

## AN SCI 203 Animal Ethics – Online Fall 2025

*This course covers how to make good choices, how to set realistic, personal goals while learning accountability, self-discipline, and time management, how to build strong teamwork and collaborative habits, and how to translate ethical habits into future job performance.*

Ethics: Sportsmanship

Ethics: Pillars of Character

Ethics: Consequences of Unethical Behavior

## AN SCI 204 Animal Health 4 - Available Summer 2026

*This course covers why management practices of castration, dehorning and docking are necessary, and how to identify common external and internal parasites with options to control them.*

Castration, Dehorning/Disbudding and Docking

External Parasites

Internal Parasites

## AN SCI 205 Animal Reproduction 1 – Online Fall 2025

*This course covers the basics of reproduction and puberty in livestock including major male/female reproductive structures and functions in beef, sheep, swine and goats. It will cover the benefits of crossbreeding, the basic genetic concepts and heritability for traits.*

Introduction to Reproduction

Parts of Reproductive Systems

Purebred vs. Crossbred

Genetics



## **AN SCI 301 Animal Quality Assurance 2 - Available Summer 2026**

*This course covers the difference between wholesale and retail meat cuts, the difference between quality and yield grades of beef and lamb, how USDA pork grades influence pork quality, using carcass terminology to describe meat quality and measuring cuts of meat.*

Recognizing Wholesale and Retail Cuts

USDA Quality and Yield Grade

Carcass Terminology

Using Grids to Determine Carcass Measurements

## **AN SCI 302 Animal Nutrition 2 – Available Fall 2025**

*This course covers classifying feed ingredients into nutrient groups, understanding nutritional requirement needs based on growth stage, learning the differences, parts and functions between ruminant and monogastric digestive systems, identifying the vocabulary and nutritional needs of monogastric animals during different growth stages and recognizing and assigning animal body condition scores to the four species.*

Basic Nutrition Requirements – Ruminants

Monogastric Nutrition

Digestive Systems

Body Condition Scoring

## **AN SCI 303 Animal Reproduction 2 – Available Fall 2025**

*This course covers how breeding management decisions impact when animals are born, how to identify the physical signs and tools used to help with heat detection, why artificial insemination is used in livestock production including what tools are used, and which primary hormones responsible for reproduction in the female and male.*

When Will My Project Animal Be Born?

Heat Detection

Artificial Insemination

Hormones Control Everything

## Civic Engagement Courses

### CIV ENG 101 Know Your Government (KYG) Year 1 – Available Fall 2025

Exploring Citizenship

My Government Project

Conference: Legislative Branch

### CIV ENG 102 Know Your Government (KYG) Year 2 – Available Fall 2025

Exploring Citizenship

My Government Project

Conference: Judicial Branch

## Appendix B: ISBE College & Career Readiness Competencies



IDAHO STATE BOARD OF EDUCATION

### COLLEGE AND CAREER READINESS COMPETENCIES

Each competency icon below links to its related performance level descriptors (Levels 1-6).



Additional links:

- [Competencies Overview](#)
- [Full Competency Set](#)
- [Text Only Version](#)

Idaho College and Career Readiness Competencies\_Levels 1-6 by Competency / SDE



What to know more?

[Mastery Education / Idaho Department of Education](#)

<https://www.sde.idaho.gov/mastery-ed/>

## Appendix B: Rubrics



### Idaho 4-H Interview Rubric

Member Name: \_\_\_\_\_ Project: \_\_\_\_\_ Course: \_\_\_\_\_

Age Division: Junior Intermediate Senior Judge: \_\_\_\_\_ Date: \_\_\_\_\_

Category	Requirements	Exceeds Expectations 4	Meets Expectations 3	Below Expectations 2	Incomplete 1	Score
Interview Skills	<input type="checkbox"/> Ability to talk about project experience <input type="checkbox"/> Appropriate eye contact & body language <input type="checkbox"/> Can explain feelings & accomplishments	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	<u>      </u> X10
Project Knowledge	<input type="checkbox"/> Can identify learned skills <input type="checkbox"/> Can explain methods used <input type="checkbox"/> Can explain how to do project <input type="checkbox"/> Relates project to LE course	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	<u>      </u> X5
Project Growth	<input type="checkbox"/> Can relate what new skills were gained <input type="checkbox"/> Can explain related learning from project <input type="checkbox"/> Can speak about growth from prior year <input type="checkbox"/> Extended self beyond project to help or lead club or community	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	<u>      </u> X5
Recordbook/Project Story	Explains process of completing the recordbook & story, 10 points					<u>      </u> X1
Exhibit	Student shared about their final exhibit and what they chose to do or will do in the future, 10 points					<u>      </u> X1

Scoring Instructions: Please check met requirements. Multiply scores as noted. Add the Category scores together for the total Score.

Circle Ribbon Earned:      90-100 Points—Blue      75-89 Points—Red      <75 Points—White      Total Score:      /100 points

COMMENTS:



## Idaho 4-H Learning Activities Rubric

Member Name: \_\_\_\_\_ Project: \_\_\_\_\_ Course: \_\_\_\_\_  
 Age Division: Junior Intermediate Senior Judge: \_\_\_\_\_ Date: \_\_\_\_\_

Category	Requirements	Exceeds Expectations 4	Meets Expectations 3	Below Expectations 2	Incomplete 1	Score
Types of Activities Chosen	___ Appropriate activities/related to course ___ Variety of activities ___ Activities show some depth	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	____ X5
Activity Log	___ Log shows some detail ___ Who/What/When/Where included ___ Connection to course topic included	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	____ X10
Evidence of Learned Material	___ Artifacts included from each activity ___ Variety of artifacts ___ Presented logically or in sequence	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	____ X5
Completion of Required Hours	___ Hours logged for learning activities ___ 20-25 hours completed	-All requirements met or exceeded	-20 or more hours completed	-12-20 hours completed	<15 hours completed	____ X5

Scoring Instructions: Please check met requirements. Multiply each score by 5 for total, except Activity Log, which you will multiply by 10. Add the Category scores together for the total Score.

Circle Ribbon Earned: 90-100 Points—Blue 75-89 Points—Red <75 Points—White SCORE: \_\_\_\_\_ /100 points

COMMENTS:



### Idaho 4-H Presentation/Demonstration Rubric

Member Name: \_\_\_\_\_ Project: \_\_\_\_\_ Course: \_\_\_\_\_

Age Division: Junior Intermediate Senior Judge: \_\_\_\_\_ Date: \_\_\_\_\_

Category	Requirements	Exceeds Expectations 4	Meets Expectations 3	Below Expectations 2	Incomplete 1	Score
Manner & Appearance	<input type="checkbox"/> Appropriately Dressed <input type="checkbox"/> Posture & Body Language <input type="checkbox"/> Eye Contact <input type="checkbox"/> Poise	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	____ X5
Delivery	<input type="checkbox"/> Volume & Speed <input type="checkbox"/> Clear Speech/Diction <input type="checkbox"/> Memorized/Not Read	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	____ X5
Introduction & Conclusion	<input type="checkbox"/> Engages Interest <input type="checkbox"/> Concise <input type="checkbox"/> Importance of subject established <input type="checkbox"/> Wrap up at the end	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	____ X5
Content	<input type="checkbox"/> Suitable topic <input type="checkbox"/> One central theme <input type="checkbox"/> Logical sequence <input type="checkbox"/> Accurate information <input type="checkbox"/> Clear information <input type="checkbox"/> Distinct beginning, middle, and end	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	____ X5
Time Requirement	<input type="checkbox"/> Meets time requirement for age division (20 points) <input type="checkbox"/> Does not meet time requirement for age division (0 points) Record Time: _____					

Scoring Instructions: Please check the met requirements. Multiply each score by 5 for total, except time requirement. Add the Category scores together for the total Score.

 Circle Ribbon Earned: 90-100 Points—Blue 75-89 Points—Red <75 Points—White **Total Score:** \_\_\_\_ /100 points

COMMENTS:



### Idaho 4-H Exhibit Rubric

Member Name: \_\_\_\_\_ Project: \_\_\_\_\_ Course: \_\_\_\_\_  
 Age Division: Junior Intermediate Senior Judge: \_\_\_\_\_ Date: \_\_\_\_\_

Category	Requirements	Exceeds Expectations 4	Meets Expectations 3	Below Expectations 2	Incomplete 1	Score
Exhibit: photo, visual, essay, physical	Quality ___Details ___Represents Project & Course	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three of the requirements	___ X12.5
Participation in Local Event	___Multiple pieces of evidence of exhibition	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	___ X12.5

Scoring Instructions: Please check met requirements. Multiply each score by 12.5 for total. Add the Category scores together for the total Score.	
Circle Ribbon Earned:	90-100 Points—Blue    75-89 Points—Red    <75 Points—White    SCORE:    /100 points
COMMENTS:	



### Idaho 4-H Recordbook Rubric

Member Name: \_\_\_\_\_ Project: \_\_\_\_\_ Course: \_\_\_\_\_  
 Age Division: Junior Intermediate Senior Judge: \_\_\_\_\_ Date: \_\_\_\_\_

Category	Requirements	Exceeds Expectations 4	Meets Expectations 3	Below Expectations 2	Incomplete 1	Score
Front page, Signatures, Goals	All information completed At least 3 goals At least 3 "to do's" for each goal Goals relate well to a strong project and learning	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	_____ X5
Presentation	Presentation information complete Evidence of presentation is present Content correlates with age Content correlates with member experience	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	_____ X5
Project Information & Activity Log	Logging of activities Regular involvement Detailed information Information is neat with correct spelling	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	_____ X5
Expense/Income	Detailed descriptions in each column Correctly uses \$x.xx for each entry Totals are accurate Additional details for goals is included	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	_____ X5
Project Story	Story is well presented Introduction is present Body contains examples and details Conclusion wraps up story Story has been edited and is in final draft form	-All requirements met or exceeded	-Missing one of the requirements	-Missing two of the requirements	-Missing three or more of the requirements	_____ X5

Scoring Instructions: Please check met requirements. Multiply each score by 5 for total. Add the Category scores together for the total Score.

Circle Ribbon Earned:      90-100 Points—Blue      75-89 Points—Red      <75 Points—White      Total Score:      /100 points

COMMENTS: