



LIVESTOCK2 3040

Project planning guide

In **AGR3040: Livestock2**, you are expected to develop practical skills for care of livestock and knowledge of requirements that ensure humane and safe growing and finishing practices, focusing on industry trends and opportunities, genetics and reproduction, rations and feeding, housing, animal handling and restraint, animal health and welfare, breeding operations and care for the young. To help you do this, you must have completed **AGR2040: Livestock1**. You must have access to livestock and appropriate animal housing and fencing structures.

As part of the course requirements, you will be expected to complete a final project. You may choose one of the three options described in this guide or develop an idea of your own. You must receive approval from your teacher if you design your own project.

Use the project planning template in this guide to sketch out the basics of your project. That way, you can identify what you can use from the work you complete as you work on the **Virtual Apprentice 3040: Livestock2** learning tasks. You should be able to use some of your learning task work as part of your project.

Option 1

Create a "Livestock Enterprise" website design that addresses at least **two** different trends and issues or market factors related to humane and sustainable livestock production decisions and activities. These trends, issues and factors can include:

- Humane production practices
- Nutrition & feed
- Urbanization



APPLY YOUR EXPERIENCE

Receive credit for this project by submitting a signed statement from an experienced livestock producer or a supervisor that certifies your ability to complete a range of production activities and provide safe and humane animal care.

- Food safety
- Animal welfare
- Breeding or genetic technologies
- Humane labelling of consumer products
- Organic food production
- Disease & animal health
- Sustainable production strategies
- Market factors
- Animal welfare risk factors.

Use the research you completed for the **Virtual Apprentice 3040: Livestock2** learning tasks. Your website design should include:

- A sketch or visual that shows the home page design, webpage name and an introduction to the impact of current trends and issues on humane livestock production
- A sketch or visual of **two** linked pages that include a short summary of each trend or issue, as well as a graphic organizer that explains the impact of the trend or issue on at least **four** different production or market activities. For example, a bubble map could be used to explain how humane and sustainable production practices affect feed decisions, water sources, housing and waste management.

Option 2

Create a yearly production calendar, highlighting production activities and decisions that take place at various times throughout the year. Include activities that relate to feed, housing and living environments, breeding and reproduction and care of young.

Use a chart or grid graphic organizer to create the production calendar. Under each month, list production activities. Ensure you address those activities that are specific to certain times of the year, including breeding and care of young.

Select **one** of the production activities in each month of the year. Use a descriptive example, illustration, sketch or photograph that illustrates a best practice associated with that activity.

Option 3

Finish the personal profile you created in the *Virtual Apprentice 2040: Livestock1* course, providing information specific to what you have learned about safe and humane livestock production.

Organize your profile to highlight the following new skills:

- How knowledge of current trends and issues in the livestock industry informs best practices for raising, growing and finishing healthy livestock
- How livestock selection and quality controls affect production
- Why genetics and reproductive processes are important to healthy livestock breeding
- How you demonstrate safe and humane livestock production skills
- How you apply sustainable production practices.

You may choose the same format you used in *Virtual Apprentice 2040: Livestock1* to complete a final project profile, or develop a new format:

- A file folder collage (place personal information on the front cover, a list of your skills and experiences on the back cover and information and examples related to humane and sustainable animal care on the inside of the file folder)
- A simple personal web page design
- A series of PowerPoint slides
- A scripted audio introduction of yourself and your skills and knowledge.



Each inquiry you completed for **Virtual Apprentice 3040** has also asked you to reflect on your learning. Use these reflections to write a 200-word personal reflection statement. Ensure that your final reflection statement describes how this course has added to, strengthened and expanded your knowledge and skills. Keep the overarching question from the course in mind – **How do approved best practices ensure humane and sustainable livestock production?** – and use examples from the learning tasks and information in each inquiry topic to help construct your statement.

Final Project Planning Template

PROJECT GOAL

Keep the goals of **AGR3040: Livestock2** in mind when you write your project goal:

- Address the welfare of livestock and apply requirements that ensure humane and safe raising, growing and finishing practices
- Apply your previous experience with humane livestock care and handling to help you demonstrate what you have learned

HOW MY PROJECT WILL DEMONSTRATE MY LEARNING

Jot down the key points that you want to make sure you address for each guiding concept in the course.

Industry & Market Trends

How do industry & market trends impact livestock enterprises?

Breeding & Quality Production Controls

What requirements guide humane livestock production?

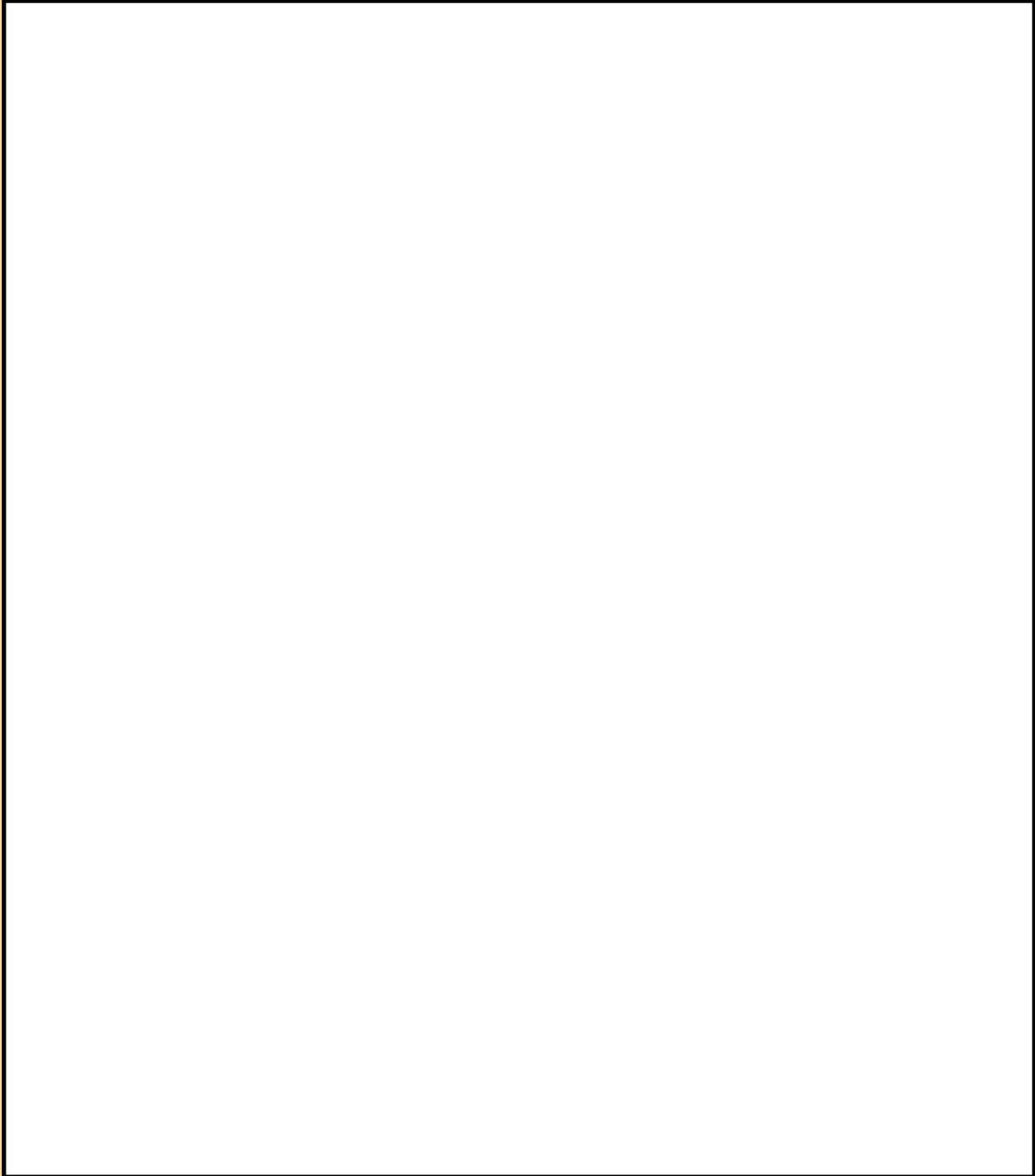
Sustainable Livestock Production Practices

How do humane & sustainable production practices affect animal care & handling?

MY PROJECT CONCEPT

Summarize what you are going to do for your final project. Your project must address the overarching question for **AGR3040: Livestock2**.

How do approved best practices ensure humane and sustainable livestock production?



Keep track of the learning tasks that you think you can use as part of your final project. Check the tasks you've completed in the **Livestock2 3040 Learning checklist**.

Project Rubric

How do approved best practices ensure humane and sustainable livestock production?

Great	Yes	Almost	Not Yet
Independently develops a clear project plan that is appropriate and supports a clearly identified personal or career-centred goal	Independently develops a project plan with an identified purpose that supports a general personal or career-centred goal	Develops, with support, a project plan and identifies personal or career-centred interests	Identifies a purpose for the project but does not yet develop it into a plan
Applies examples and supporting details to illustrate relevant concepts and practices related to the three guiding concepts of livestock industry trends, quality controls and humane and sustainable production practices	Uses examples or supporting details to help explain practices related to the three guiding concepts of livestock industry trends, quality controls and humane and sustainable production practices	Includes some supporting detail with an explanation of a practice that addresses at least one of the three guiding concepts of livestock industry trends, quality controls and humane and sustainable production practices	Identifies topics related to livestock industry trends, quality controls and humane and sustainable production practices but does not provide detail or examples
Demonstrates ability to organize, summarize and synthesize information to draw conclusions about best practices related to livestock industry trends, quality controls and humane and sustainable production practices	Organizes information appropriately to provide conclusions that support best practices related to livestock industry trends, quality controls and humane and sustainable production practices	Provides information that represents some best practices related to livestock industry trends, quality controls or humane and sustainable production practices	Provides some information about an animal but does not yet connect this information to best practices in livestock or livestock industry trends, quality controls or humane and sustainable production practices
Provides evidence of personal growth and application of new knowledge and skills	Provides examples of knowledge gained and skills developed	Personalizes some examples of skills or knowledge gained	Identifies limited examples but makes no personal connection to them