



AGRI11003 *Livestock Production*

Term 2 - 2021

Profile information current as at 04/05/2024 07:51 pm

All details in this unit profile for AGRI11003 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

In this unit, you will learn the fundamentals of livestock production by gaining exposure to a range of extensive and intensive livestock production systems. You will learn about livestock anatomy, nutrition, health, welfare, management and markets, and enhance your knowledge on current issues, innovations and new and emerging opportunities for precision livestock management. As a foundation unit, the learning outcomes will provide you with the necessary knowledge for future units in the Bachelor of Agriculture.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 7

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

There are no requisites for this unit.

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 2 - 2021

- Bundaberg
- Emerald
- Mixed Mode
- Rockhampton

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are:

Click here to see your [Residential School Timetable](#).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

[Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Presentation and Written Assessment**

Weighting: 25%

2. **Peer assessment**

Weighting: 5%

3. **Portfolio**

Weighting: 40%

4. **Online Test**

Weighting: 30%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Have Your Say

Feedback

Take-home practical's provided additional practical experience and facilitated learning with the theory components throughout the term.

Recommendation

Continue to provide take home practicals where feasible, ensuring that they are relevant to the theory component.

Feedback from Have Your Say

Feedback

The take home practicals and residential school related well to lecture material and supported learning remotely.

Recommendation

Continue to ensure practicals and the residential school are relevant to lecture material and engaging. Maintain industry connections where possible.

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Determine management options and production targets for a livestock enterprise
2. Select, test and implement appropriate livestock innovations into farm activities
3. Develop a livestock management and risk mitigation plan
4. Critique and apply the ethics and legal requirements of livestock management systems.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

| Assessment Tasks | Learning Outcomes | | | |
|--|-------------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| 1 - Presentation and Written Assessment - 25% | | • | • | |
| 2 - Peer assessment - 5% | | • | • | |
| 3 - Portfolio - 40% | • | | • | |
| 4 - Online Test - 30% | | | • | • |

Alignment of Graduate Attributes to Learning Outcomes

| Graduate Attributes | Learning Outcomes | | | |
|---|-------------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| 1 - Communication | • | • | • | • |
| 2 - Problem Solving | • | | • | |
| 3 - Critical Thinking | • | • | • | • |
| 4 - Information Literacy | • | • | | |
| 5 - Team Work | | • | • | |
| 6 - Information Technology Competence | • | • | • | |
| 7 - Cross Cultural Competence | | | | |
| 8 - Ethical practice | | • | • | • |
| 9 - Social Innovation | | | | |
| 10 - Aboriginal and Torres Strait Islander Cultures | | | | |

Alignment of Assessment Tasks to Graduate Attributes

| Assessment Tasks | Graduate Attributes | | | | | | | | | |
|---|---------------------|---|---|---|---|---|---|---|---|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 - Presentation and Written Assessment - 25% | • | | • | • | • | • | | • | | |
| 2 - Peer assessment - 5% | | | | | • | | | • | | |
| 3 - Portfolio - 40% | • | • | • | • | | • | | • | | |
| 4 - Online Test - 30% | • | • | • | | | | | | | |

Textbooks and Resources

Textbooks

AGRI11003

Supplementary

Beef Cattle Production and Trade

(2014)

Authors: David Cottle, Lewis Kahn

CSIRO Publishing

Collingwood , VIC , Australia

ISBN: 9780643109889

Binding: Hardcover

Additional Textbook Information

Please access the eReading list on Moodle

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Microsoft Excel
- Microsoft Powerpoint
- Microsoft Word
- Camera and microphone for attending Zoom tutorials and completing presentation assessment task

Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Jaime Manning Unit Coordinator

j.k.manning@cqu.edu.au

Hannah Ulbrich Unit Coordinator

h.pooley@cqu.edu.au

Schedule

Week 1 - Introduction and Australian Livestock Systems - 12 Jul 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|---------|------------------------------|
| Unit introduction, assessment requirements and introduction to Australian livestock systems | | |

Week 2 - Livestock Anatomy - 19 Jul 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|---------|------------------------------|
| Basic animal anatomy with livestock examples | | |

Week 3 - Livestock Physiology - 26 Jul 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|---------|------------------------------|
| Livestock physiology and digestion, with a focus on ruminants and monogastrics | | |

Week 4 - Livestock Nutrition - 02 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|---------|------------------------------|
| Basic animal nutrition, differences between livestock species, feed rations and designs | | |

Week 5 - Assessment - 09 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|------------------------|---------|--|
| In class presentations | | Livestock Innovations (Part A - Group presentation) Due: Week 5 Thursday (12 Aug. 2021) 9:00 am AEST and presented in class |

Vacation Week - 16 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|---|
| | | Livestock Innovations Peer Evaluation Due: Vacation Week Friday (20 Aug 2021) 5:00 pm AEST |

Week 6 - Livestock Behaviour and Handling - 23 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|---------|------------------------------|
| Introduction to livestock behaviour and its relevance to low stress handling | | |

Week 7 - Residential School - 30 Aug 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------------|---------|------------------------------|
| Residential School | | |

Week 8 - Livestock Management and Production Targets - 06 Sep 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|---------|------------------------------|
| Livestock management and the requirements that are involved in the running of a successful enterprise | | |

Week 9 - Livestock Innovations - 13 Sep 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|---------|------------------------------|
| Sustainability within systems, future challenges and innovations | | |

Week 10 - Products and Markets - 20 Sep 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|---------|------------------------------|
| Products and markets, market specifications and meat quality | | |

Week 11 - Farm Biosecurity - 27 Sep 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|---------|---|
| Farm biosecurity practices, spread of disease and investigating pathogens | | Livestock Innovations (Part B - Individual written report) Due: Week 11 Monday (27 Sep. 2021) 5:00 pm AEST |

Week 12 - Ethical and Legal Requirements - 04 Oct 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|---------|--|
| Ethical and legal requirements of livestock production | | Practical Portfolio Due: Week 12 Friday (8 Oct 2021) 5:00 pm AEST |

Review Week - 11 Oct 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|---------|------------------------------|
| Online Test Due: Review/Exam Week Friday (15 Oct 2021) 5:00 pm AEST | | |

Exam Week - 18 Oct 2021

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|------------------------------|
|--------------|---------|------------------------------|

Assessment Tasks

1 Livestock Innovations

Assessment Type

Presentation and Written Assessment

Task Description

This assessment, "Livestock innovations" comprises of two (2) parts and accounts for 25% of your final mark:

PART A - Group presentation (10%):

Prepare and deliver an 8-minute group presentation, introducing an assigned livestock production system (poultry, pigs, dairy, beef or sheep). You will be assigned a group and required to present in class in the form of a PowerPoint presentation that covers the following aspects:

- The scale and size of the industry in Australia
- The geographic and climatic location of this livestock production system and at least two reasons why
- An overview of the annual production calendar
- One difference between this livestock production system in Australia compared to overseas

PART B - Individual written report (15%):

Using the same livestock production system as Part A - Group presentation, select one innovation for this system (each member of the group must have a different innovation). Prepare an individual report (essay format) which includes the following components:

- Introduction to the innovation (technology, management decision etc) within the livestock production system and give a brief history of its development
- Impacts of the innovation on business goals and objectives for a specific enterprise
- How can the innovation improve the livestock enterprise?
- Are there costs (both financial and physical/social/time etc) associated with implementation of this innovation?
- An assessment of whether or not this innovation should be utilised in the specific system in Australia

The information provided in the essay must be supported by use of references.

This assessment will be in the format of an essay (1200-1500 words) and must include an introduction, body, conclusion and references.

The marking rubrics will be available on Moodle.

Assessment Due Date

PART A due Week 5, Thursday (12 Aug. 2021) 9:00 am AEST (and presented in class); PART B due Week 11, Monday (27 Sept. 2021) 5:00 pm AEST

Return Date to Students

Grades will be returned within 10 working days of submission.

Weighting

25%

Minimum mark or grade

50%. A pass is required to pass the unit.

Assessment Criteria

Marks are awarded for:

- Communication and presentation skills
- Introduction and addressing the topic including the chosen livestock system, key aspects and an innovation
- Knowledge, content and structure

- Analysis of information
- Discussion of improvements that can be made for the selected livestock events for the chosen livestock system and benefits in implementing an innovation
- The clarity of English expression, spelling and grammar
- Use of references and accuracy of referencing
- Appropriate timeframe (Part A) and length (Part B)

Detailed marking rubrics will also be available on Moodle.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online Group

Submission Instructions

All parts of this assessment are due on Moodle

Learning Outcomes Assessed

- Select, test and implement appropriate livestock innovations into farm activities
- Develop a livestock management and risk mitigation plan

Graduate Attributes

- Communication
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Ethical practice

2 Livestock Innovations Peer Evaluation

Assessment Type

Peer assessment

Task Description

After Assessment 1 Livestock Innovations Part A - Group presentation, you will evaluate your assigned partner based on their:

- Attendance to group meetings
- Contribution to the fair share of the work
- Completion of the work on time and accurately
- Dependability

The peer evaluation will be available on Moodle.

Assessment Due Date

Vacation Week Friday (20 Aug 2021) 5:00 pm AEST

Return Date to Students

Grades will be returned once all group members have finished their evaluation or within 10 working days of submission.

Weighting

5%

Assessment Criteria

Peer evaluation marks are awarded for their team member's:

- Attendance to group meetings
- Contribution to the fair share of the work
- Completion of the work on time and accurately
- Dependability

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Submission Instructions

Peer evaluation will be done on Moodle

Learning Outcomes Assessed

- Select, test and implement appropriate livestock innovations into farm activities
- Develop a livestock management and risk mitigation plan

Graduate Attributes

- Team Work
- Ethical practice

3 Practical Portfolio

Assessment Type

Portfolio

Task Description

The practical portfolio relates to practical sessions and the residential school, where you will be required to complete a series of activities or short response questions. A copy of the practical portfolio will be available on Moodle including specific details for each practical session and the residential school.

Assessment Due Date

Week 12 Friday (8 Oct 2021) 5:00 pm AEST

Return Date to Students

Grades will be returned within 10 working days of submission.

Weighting

40%

Minimum mark or grade

50%. A pass is required to pass the unit.

Assessment Criteria

Marks are awarded for attendance, participation, completion, correct responses to questions and submission of all practical activities and the residential school.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Submission Instructions

All parts of this assessment are due on Moodle

Learning Outcomes Assessed

- Determine management options and production targets for a livestock enterprise
- Develop a livestock management and risk mitigation plan

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Ethical practice

4 Online Test

Assessment Type

Online Test

Task Description

The online test will consist of multiple choice, short response and case study questions related to content delivered

during lectures and tutorials throughout the term. It can be attempted anytime throughout the week, but once the online test has commenced, it must be submitted within 3 hours.

Assessment Due Date

Review/Exam Week Friday (15 Oct 2021) 5:00 pm AEST

The online test can be attempted anytime throughout the week, but must be submitted by Friday (15 Oct. 2021) 5:00 pm AEST

Return Date to Students

Grades will be returned within 10 working days of submission.

Weighting

30%

Minimum mark or grade

50%. A pass is required to pass the unit.

Assessment Criteria

Marks are based on correct responses to questions.

Referencing Style

- [Harvard \(author-date\)](#)

Submission

Online

Submission Instructions

All parts of this assessment are due on Moodle

Learning Outcomes Assessed

- Develop a livestock management and risk mitigation plan
- Critique and apply the ethics and legal requirements of livestock management systems.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?



Be Honest

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



Seek Help

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



Produce Original Work

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem