



AGRI12005 Sustainable Livestock Production

Term 1 - 2018

Profile information current as at 19/05/2024 02:42 pm

All details in this unit profile for AGRI12005 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

You will be introduced to emerging trends and practices in sustainable management and improvement of the major livestock industries in Australia. You will explore the major livestock industries, production cycles, roles of genetics, environment, nutrition, reproductive efficiency and health in sustainable management practices and profitability, new and emerging industries and issues affecting industry development.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 7

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisite AGRI11003 Livestock Production Management

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 1 - 2018

- 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).

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**

Weighting: 20%

2. **Written Assessment**

Weighting: 20%

3. **Written Assessment**

Weighting: 60%

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 Staff and students in person.

Feedback

Resource availability and timetabling issues.

Recommendation

Timetabling needs to be carefully revised by all invested staff to ensure minimal clashes. The provision of appropriate resources is required, this includes an increase in available and appropriate teaching spaces (in particular labs), ISL and teaching staff on all campuses.

Feedback from Students through Have Your Say

Feedback

Assessment feedback including the indication of where students scored against each criteria listed in the rubric was well received by students in addition to the grade number and written feedback.

Recommendation

Continue this practice. Students will be encouraged to provide specific constructive feedback about other aspects of assessment.

Feedback from Students through Have Your Say and in person and staff.

Feedback

Field trips to various farming enterprises throughout the term was positive and beneficial to students understanding.

Recommendation

Continue this practice maintaining four field trips throughout the term. Emphasise and encourage relationships with property owners and stakeholders.

Feedback from Students through Have Your Say and email and staff.

Feedback

At times information on Moodle was delayed.

Recommendation

Ensure materials are available further in advance.

Feedback from Students through Have Your Say and staff within the Course and external.

Feedback

Understaffing is having a negative impact on staff ability and student learning. Serious concerns were raised about staffing resources by the students. While students acknowledged the overall efforts of the Agriculture teaching team, they perceived that the majority of teaching and engagement is being conducted by a fraction of the overall staff in CQU's Agriculture discipline. This is a major concern for both staff and students in regards to the viability of the bachelor program.

Recommendation

Additional staff as planned are urgently required to meet the demands of the Bachelor of Agriculture (CV85). Increasing the teaching staff is essential for the sustainability of this course. The business case identified the need for at least two academics per campus, currently, at the cusp of our third year of development and delivery we have four academics across three Queensland campuses and other third party locations with no dedicated staff member.

Unit Learning Outcomes

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

1. Analyse livestock production systems and identify strategies for improvement.
2. Review global emerging trends in sustainable livestock production.
3. Develop and evaluate an innovation implementation strategy.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
---	--	--	--	--	--

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - Presentation - 20%		•	
2 - Written Assessment - 20%	•		
3 - Written Assessment - 60%			•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes		
	1	2	3
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 - 20%	•			•	•	•				
2 - Written Assessment - 20%	•	•	•	•						

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
3 - Written Assessment - 60%	•	•	•	•		•				

Textbooks and Resources

Textbooks

AGRI12005

Prescribed

Beef Cattle: Production and Trade

(2014)

Authors: David Cottle and Lewis Kahn

CSIRO Publishing

Australia

ISBN: 9780643109889

Binding: Hardcover

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

Referencing Style

All submissions for this unit must use the referencing style: [American Psychological Association 6th Edition \(APA 6th edition\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Jessica Roberts Unit Coordinator

j.j.roberts@cqu.edu.au

Schedule

Week 1 - 05 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to sustainable livestock production.		

Week 2 - 12 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Overview of global livestock production.	Cottle and Khan 2014, chapters 4-8.	Field trip.

Week 3 - 19 Mar 2018

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

Australian livestock industries - Extensive.

Cottle and Khan, chapters 9,10.

Week 4 - 26 Mar 2018

Module/Topic

Chapter

Events and Submissions/Topic

Australian livestock industries - Intensive.

Cottle and Khan, chapter 11.

Video Due: Week 4 Monday (26 Mar 2018) 5:00 pm AEST

Week 5 - 02 Apr 2018

Module/Topic

Chapter

Events and Submissions/Topic

Feeding management.

Field Trip.

Week 6 - 16 Apr 2018

Module/Topic

Chapter

Events and Submissions/Topic

Grazing management.

Cottle and Khan, chapters 15-16.

Week 7 - 23 Apr 2018

Module/Topic

Chapter

Events and Submissions/Topic

Climate change and animal production.

Week 8 - 30 Apr 2018

Module/Topic

Chapter

Events and Submissions/Topic

Niche products.

Week 9 - 07 May 2018

Module/Topic

Chapter

Events and Submissions/Topic

Innovations in animal production systems, part I.

Beef week - Rockhampton

Week 10 - 14 May 2018

Module/Topic

Chapter

Events and Submissions/Topic

Innovations in animal production systems, part II.

Week 11 - 21 May 2018

Module/Topic

Chapter

Events and Submissions/Topic

Indigenous pastoralism.

Week 12 - 28 May 2018

Module/Topic

Chapter

Events and Submissions/Topic

Farmer resilience and wellbeing.

Implementation and use of Precision Livestock Management (PLM) technology report Due: Week 12 Thursday (31 May 2018) 8:00 pm AEST

Review/Exam Week - 04 Jun 2018

Module/Topic

Chapter

Events and Submissions/Topic

Term Specific Information

Beef Week 2018 will be held in Rockhampton from the 6th - 12th of May, Week 9

Assessment Tasks

1 Video

Assessment Type

Presentation

Task Description

You are required to work in groups of two to create a video with PowerPoint presentation reviewing global emerging trends in sustainable livestock production. In your video define and discuss emerging trends and comment on the pro's, con's and adoption globally.

The video should be 6 minutes (+/- 30 seconds).

The content covered should related to an economically important livestock production industry.

Assessment Due Date

Week 4 Monday (26 Mar 2018) 5:00 pm AEST

Return Date to Students

Grades will be returned within 10 working days after the due date.

Weighting

20%

Minimum mark or grade

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

Assessment Criteria

You will be assessed on:

- Clear introduction
- The use of statistical and other information relevant to Australian and Global livestock production
- Discussion of the information in the context of sustainable livestock production
- Adherence to the time frame (5% deduction for outside the limit)
- Overall presentation
- References

Further details and a marking rubric will be available on the Moodle page.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

Submit video to Moodle, you may need to compress the file as the limit is 100MB.

Learning Outcomes Assessed

- Review global emerging trends in sustainable livestock production.

Graduate Attributes

- Communication
- Information Literacy
- Team Work
- Information Technology Competence

2 Sustainable decision making

Assessment Type

Written Assessment

Task Description

Based on a scenario relevant to sustainability issues of a livestock production system (provided by the unit coordinator) you will be required to prepare a report describing what decisions you will make for the future of your "enterprise".

Your decisions should be made from a sustainability perspective. You need to analyse the sustainability issues, explain what your decisions are and why you have made them. Decisions should be relevant and innovative.

Your report should be no more than 1,800 words. Further details on your scenarios will be available on the Moodle page.

Assessment Due Date

Return Date to Students

Grades will be returned within 10 working days after the due date.

Weighting

20%

Minimum mark or grade

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

Assessment Criteria

Your analysis will be marked according to the following:

- Content, including:
 - Introduction and conclusions
 - Critical analysis of the sustainability issues and decisions
 - Innovative and relevant strategies for improving sustainability
 - Addressing all aspects of the task
- Use of references
- Writing quality and structure
- Presentation

Further details and a marking rubric will be available on the Moodle site.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

One document to be submitted through Moodle in .doc or .docx format.

Learning Outcomes Assessed

- Analyse livestock production systems and identify strategies for improvement.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy

3 Implementation and use of Precision Livestock Management (PLM) technology report

Assessment Type

Written Assessment

Task Description

You are required to develop a plan for implementation and subsequent use of a Precision Livestock Management (PLM) technology. Your strategy should outline how the technology will likely impact on either the livestock producer, enterprise as a whole or how it monitors an important aspect of a particular livestock species. Include risks or potential challenges to the implementation.

You must choose a different production system to the one considered in Assessment 1.

Your report should be no more than 2,500 words.

Assessment Due Date

Week 12 Thursday (31 May 2018) 8:00 pm AEST

Return Date to Students

Grades will be returned within 10 working days after submission.

Weighting

60%

Minimum mark or grade

50% A pass is required to pass the unit.

Assessment Criteria

Your analysis will be marked according to the following:

- Content, including:
 - Introduction and conclusions
 - Critical thinking
 - Innovation and relevant strategies for implementing a PLM technology
 - Addressing all aspects of the task
- Use of references
- Writing quality and structure
- Presentation

Further information and a marking rubric will be available on the Moodle site.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

One document to be submitted through Moodle in .doc or .docx format.

Learning Outcomes Assessed

- Develop and evaluate an innovation implementation strategy.

Graduate Attributes

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

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