



AGRI11003 *Livestock Production Management*

Term 1 - 2018

Profile information current as at 03/05/2024 08:09 am

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

This unit covers the fundamentals of a livestock production system, and is built on the VET 'Manage livestock production' unit. You will be provided with an overview of the full range of livestock production systems, with a beef focus. You will learn about animal nutrition, health and welfare, fertility and new and emerging opportunities for precision livestock management. As a foundation unit, the learning outcomes will provide you with the necessary foundation for future units in the course.

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 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. **Portfolio**

Weighting: 70%

2. **Presentation and Written Assessment**

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 Teaching staff.

Feedback

Science resources limiting at Emerald campus.

Recommendation

More equipment and access to a science lab space are required.

Feedback from Students.

Feedback

Balance of content and practicals was good.

Recommendation

Maintain a balance between lectures, tutorials and hands on practical sessions. Especially maintain the delivery by staff with different expertise, i.e. practical and content knowledge.

Feedback from Students.

Feedback

Clearer instruction of assessment requirements and feedback.

Recommendation

Review the assessment outlines and rubrics. Consider including more class time to discuss assessments.

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 whole of farm livestock management and risk mitigation plan.
4. Critique 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 - Portfolio - 70%	•		•	•
2 - Presentation and Written Assessment - 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 - Portfolio - 70%	•	•	•	•	•	•		•		
2 - Presentation and Written Assessment - 30%	•		•	•		•		•		

Textbooks and Resources

Textbooks

AGRI11003

Prescribed

Beef Cattle Production and Trade

(2014)

Authors: David Cottle, Lewis Kahn

CSIRO Publishing

ISBN: 9780643109889

Binding: Other

Additional Textbook Information

This textbook will be used in other livestock related Units throughout the Bachelor of Agriculture course.

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Google Earth Pro
- Microsoft Powerpoint
- Microsoft Word
- R
- QGIS

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 - Introduction and Agroecosystems - 05 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to the unit, agricultural systems theory and the connectivity of agroecosystem element.	Cottle and Khan Chapter 1	

Week 2 - Livestock physiology - 12 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week will cover basic animal physiology with livestock examples.		

Week 3 - Livestock nutrition - 19 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
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This week will cover basic animal nutrition with a focus on production animals.

Assessment 1 Part A - QUIZ due Friday 23rd March 5PM AEST

Week 4 - WFP and NRM - 26 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week will cover Whole Farm Planning and Natural Resource Management.		

Week 5 - The Whole Enterprise - 02 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week will cover an introduction to management of livestock production enterprises.	Cottle and Khan Chapter 20	

Week 6 Biosecurity - 16 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week will cover an introduction to on-farm and Australian agriculture biosecurity.	Cottle and Khan Chapter 13	

Week 7 Whole systems and natural resource management - 23 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week agroecosystems will be continued, expanding on natural resource assessment and management.		

Week 8 - Forecasting - 30 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week will cover forecasting uncertain futures, including climate change and sustainability.	Cottle and Khan Chapter 19	Assessment 2 Part A Due Friday 4th May 5PM AEST

Week 9 Products and markets - 07 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week will introduce livestock products and markets.	Cottle and Khan Chapter 3	Beef week - Rockhampton

Week 10 Product Quality - 14 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week will introduce the quality aspects of livestock products.	Cottle and Khan Chapter 2	Assessment 1 Part B Quiz Due Tuesday 15th May 5PM AEST

Week 11 - Natural resource management and farm planning - 21 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week will be an extension of agroecosystems, natural resource management and farm planning.		

Week 12 Natural resource management and farm planning - 28 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
This week will be an extension of agroecosystems, natural resource management and farm planning.		

Review Week - 04 Jun 2018

Module/Topic	Chapter	Events and Submissions/Topic
		Assessment 2, Part B due Friday 8th June, 5PM AEST.

Term Specific Information

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

Assessment Tasks

1 Portfolio

Assessment Type

Portfolio

Task Description

The portfolio is made up of a series of tasks related to the different activities of this Unit (e.g. lectures, field trips, pracs, tutorials).

PART A - QUIZ

Weighting: 25%

Due date: Friday 24th March, week 3, 8PM AEST.

Task: Assessment of content delivered during lectures, field trips, pracs and tutorials from week 1 through to week 3. Topics include: Theory of Systems, Risk, Animal Physiology, and Animal Nutrition.

PART B - QUIZ

Weighting: 25%

Due date: Tuesday 20th May, week 10, 8PM, AEST.

Task: Assessment of content delivered during lectures, field trips, pracs and tutorials from week 5 through to week 9. Topics include Natural Resources Management, Forecasting Uncertain Futures, Livestock Management, Budgeting, Legislation, and Ethics.

PART C - Practical activities

Weighting: 20% in total

Due date: At the conclusion of each Prac and Field Trip

Task: During each practical session and field trip, you will be required to complete an activity, short report or presentation related to the weekly topic and practical activity. Reports will be no more than 300 words. Specific details of each task will be available on the Moodle site.

Assessment Due Date

PART A due Friday 24th March, Week 3, 8PM; PART B due Friday 12th May, Week 9, 8PM; PART C due weekly when prac's and field trips are scheduled

Return Date to Students

Grades will be returned within 10 working days of submission.

Weighting

70%

Minimum mark or grade

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

Assessment Criteria

PART A and Part B will be marked based on correct responses to quiz questions.

PART C: Marking will be based on participation and completion of practical tasks assigned. Detailed criteria will be available on the Moodle page.

Attendance and participation at all practical sessions is compulsory.

Referencing Style

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

Submission

Offline Online

Submission Instructions

Part A - Moodle; Part B - Moodle; Part C - In class.

Learning Outcomes Assessed

- Determine management options and production targets for a livestock enterprise.
- Develop a whole of farm livestock management and risk mitigation plan.
- Critique the ethics and legal requirements of livestock management systems.

Graduate Attributes

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

2 Farm Planning

Assessment Type

Presentation and Written Assessment

Task Description

The assessment has two components:

PART A - Calendar and explanation of livestock production operations

Weighting: 10% of the grade for this unit

Due: Friday week 8, 5PM AEST

You are to create a calendar of livestock and pasture related events for a grazing based livestock system over a 12 month period.

This calendar should be designed to hang on the office wall of a farm manager. A suitable size is A3.

Additionally, prepare a report which provides an analysis of the activities and timing involved with three of these events from the 12 month period

- For one of the livestock and one of the plant events, identify and explain, in detail, at least one related risk.
- At least one event should focus on plant/feed event
- At least one event should focus on livestock event

The report should be no more than 700 words.

PART B - Natural resource management plan report

Weighting: 20% of the grade for this unit

Due: Friday 8th June, Review Week, 5PM AEST

This assessment will consist of a written Natural Resources Management plan and information related with:

1. business objective and goal
2. SWOT analysis
3. assessment of natural resources (including flora and fauna)
4. a plan for reviewing and assessing the success of the natural resources management plan

The information provided in the plan must be supported by use of references. The natural resources management plan will be in the format of report (1200-1500 words) and include an introduction, aims, main body of the plan, conclusions and references.

Further details of this assessment task will be available on the Moodle site and specific activities associated with the Whole Farm Plan development will occur in face-to-face delivery sessions throughout the term.

Assessment Due Date

PART A due Friday 5th May Week 8, 8PM AEST; PART B Due Friday 1st June, Week 13, 8PM 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 awarded for:

1. Introduction and addressing the topics
2. The quality of the content included
3. The discussion of this information in context of the tasks
4. The clarity of English expression, spelling, and grammar,
5. Accuracy of referencing and style,
6. Use of figures and tables, appropriate length.

Detailed marking rubrics will be available on the Moodle page.

Referencing Style

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

Submission

Online

Submission Instructions

Moodle

Learning Outcomes Assessed

- Select, test and implement appropriate livestock innovations into farm activities.

Graduate Attributes

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

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