



AGRI12005 *Specialised Food Industries*

Term 2 - 2023

Profile information current as at 02/05/2024 06:12 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

In this unit you will be introduced to the vast number of industries that support food production in Australia including livestock, cropping and horticulture. You will learn about the principles and practices of crop production as well as animal genetics, nutrition and reproduction. You will explore synergies between these industries and how technology can be used to improve production whilst improving profitability and environmental sustainability. Further, current and global trends will be investigated, in conjunction with 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

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 - 2023

- 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. **Portfolio**

Weighting: 20%

2. **Portfolio**

Weighting: 50%

3. **In-class Test(s)**

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 Student Unit Evaluation

Feedback

The residential school was a highlight of the unit and one of students most memorable experiences

Recommendation

Continue to ensure that the residential school provides new and unique opportunities to students across a number of industries

Feedback from Student Unit Evaluation

Feedback

More real-world problems in assignments and theory content would be well-received

Recommendation

Maintain the incorporation of real-world problems faced in agriculture, and use guest lecturers and appropriate case studies to deliver content where possible

Unit Learning Outcomes

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

1. Critically evaluate global emerging trends in food production
2. Develop and evaluate an implementation strategy for innovations in food production utilising technology, data collection and analysis
3. Analyse food production systems and identify strategies for improvement.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - Portfolio - 20%	•		
2 - In-class Test(s) - 30%	•		•
3 - Portfolio - 50%		•	

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes		
	1	2	3

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 - Portfolio - 20%	•	•	•	•	•			•		
2 - In-class Test(s) - 30%	•	•	•	•				•		
3 - Portfolio - 50%	•	•	•	•	•			•		

Textbooks and Resources

Textbooks

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Supplementary

Beef Agskills

Edition: Catalogue number: B105 (2005)

Authors: NSW Department of Primary Industries

NSW Department of Primary Industries

Online: <https://www.tocal.nsw.edu.au/publications/agskills> , NSW , Australia

ISBN: 9780731305872

Binding: Paperback

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Supplementary

Beef Cattle Production and Trade

(2014)

Authors: David Cottle, Lewis Kahn

CSIRO Publishing
Collingwood , VIC , Australia
ISBN: 9780643109889
Binding: Hardcover
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Supplementary

Dairy Agskills

Edition: Catalogue number: B106 (2008)
Authors: NSW Department of Primary Industries
NSW Department of Primary Industries
Online: <https://www.tocal.nsw.edu.au/publications/agskills> , NSW , Australia
ISBN: 9780731306091
Binding: Paperback
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Supplementary

Pig Agskills

Edition: Catalogue number: B737 (2010)
Authors: NSW Department of Primary Industries
NSW Department of Primary Industries
Online: <https://www.tocal.nsw.edu.au/publications/agskills> , NSW , Australia
ISBN: 9780731306312
Binding: Paperback
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Supplementary

Poultry Agskills

Edition: Catalogue number: B704 (2008)
Authors: NSW Department of Primary Industries
NSW Department of Primary Industries
Online: <https://www.tocal.nsw.edu.au/publications/agskills> , NSW , Australia
ISBN: 9780731306069
Binding: Paperback
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Supplementary

Sheep Agskills

Edition: Catalogue number: B111 (2016)
Authors: NSW Department of Primary Industries
NSW Department of Primary Industries
Online: <https://www.tocal.nsw.edu.au/publications/agskills> , NSW , Australia
ISBN: 9781742568836
Binding: Paperback

Additional Textbook Information

All of the supplementary textbooks are optional resources that you may find useful when learning about livestock production. The information in these supplementary textbooks will be covered in lectures, with additional resources and suggested readings available 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

Schedule

Week 1 - Introduction and global food production - 10 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Unit overview, assessment requirements and global food production overview		

Week 2 - Extensive livestock production A - 17 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Extensive livestock production: beef cattle production		

Week 3 - Extensive livestock production B - 24 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Extensive livestock production: sheep production (wool and meat)		

Week 4 - Pulses and spices - 31 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Pulses and spices		

Week 5 - Grain crops - 07 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
Grain crops and grazing stubbles		Global trends in food production presentation Due: Week 5 Friday (11 Aug 2023) 5:00 pm AEST

Vacation Week - 14 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - Aquatic plants to aquaculture - 21 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
Aquatic plants to aquaculture		

Week 7 - Intensive livestock production - 28 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
Intensive livestock production: poultry (broiler and layer) and pig production		

Week 8 - Residential school - 04 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Residential school

The residential school will be held on 04/09/2023 to 06/09/2023

Practical portfolio Part A - Data collection and analysis Due: Week 8 Wednesday (6 Sept 2023) at the conclusion of the residential school

Week 9 - Horticulture - 11 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Horticulture		

Week 10 - Dairy production - 18 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Dairy production		Practical portfolio Part B - Annotated bibliography Due: Week 10 Friday (22 Sept. 2023) 5:00 PM AEST

Week 11 - Rangeland goat production - 25 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Rangeland goat production		

Week 12 - Specialised food industries summary - 02 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
Specialised food industries summary and in-class test		In-class test Due: Week 12 Thursday (5 Oct. 2023) during the tutorial session

Review week - 09 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 16 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
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Assessment Tasks

1 Global trends in food production presentation

Assessment Type

Portfolio

Task Description

This assessment has two parts:

Part A - Group recorded presentation (15%)

Discuss global trends in a chosen food production system to address growing concerns of their future viability. You will be assigned a partner/s and with the aid of a powerpoint presentation will need to select one of the following topics and the associated concern:

- Livestock – Cows are no longer needed as meat grown in labs hits the shelves
- Aquaculture – An increase in seafood allergies has led to a record low of salmonids
- Cropping – Demand for wheat reducing as everyone goes gluten free
- Horticulture – Rising ketone dieting has limited the need for fruits and vegetables

Prepare and record a 10 minute presentation and present it in the following format:

- Selection of a specific commodity in your chosen food production system (e.g., beef in livestock)
- Introduction to your chosen commodity and food production system
- A review of what is happening globally (past and present) for your chosen food production system
- Future directions - what is predicted globally for your chosen food production system in the future?
- Creation of a campaign, slogan or innovative idea to address growing concerns of the future viability of your chosen food production system

Part B - Peer evaluation (5%)

After Part A - Group presentation, you will evaluate your assigned partner/s 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.

Marking rubrics will be available on Moodle.

Assessment Due Date

Both Part A and Part B are DUE Week 5 Friday (11 Aug. 2023) 5:00 PM AEST

Return Date to Students

Grades will be returned within 14 working days of submission.

Weighting

20%

Minimum mark or grade

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

Assessment Criteria

Part A - Group presentation will be assessed on:

- Clear introduction
- The use of statistical and other information relevant to Australian and Global food production
- Discussion of the information in the context of a chosen commodity and food production system
- Discussion of the growing concerns of the future viability of your chosen food production system
- Adherence to the time frame
- Overall presentation and use of slides
- Presence of all team members in the recording
- References

Part B - 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

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

Referencing Style

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

Submission

Online Group

Submission Instructions

Part A - Group presentation: Submit a copy of your recorded presentation through Moodle. Part B - Peer evaluation will be done on Moodle

Learning Outcomes Assessed

- Critically evaluate global emerging trends in food production

Graduate Attributes

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

2 Practical Portfolio

Assessment Type

Portfolio

Task Description

This assessment has two parts:

PART A - Data collection and analysis (20%)

Part A relates to the residential school, where you will be required to collect and analyse data and complete a series of activities. A copy of the residential school practical portfolio will be available on Moodle.

PART B - Annotated Bibliography (30%)

You will be exposed to innovations during the residential school (Part A) and must select an innovation for a food production system of your choice and find six (6) relevant, recent and peer reviewed journal papers. Your annotated bibliography should be structured as follows:

- Reference using Harvard (author-date)
- A 500-700 word paragraph for your reference, including a summary, key findings and evaluation of the innovation at either the producer or enterprise level, or how it monitors an important aspect of the animal/crop.

This structure should be repeated for all six (6) peer reviewed journal papers.

The marking rubric will be available on Moodle.

Assessment Due Date

Part A DUE Week 8 Wednesday (6 Sept 2023) at the conclusion of the residential school; Part B DUE Week 10 Friday (22 Sept. 2023) 5:00 PM AEST

Return Date to Students

Grades will be returned within 14 working days of submission.

Weighting

50%

Minimum mark or grade

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

Assessment Criteria

PART A - Data collection and analysis will be marked according to the following:

- Attendance, participation and completion of the residential school
- Correct responses to questions and submission of the residential school practical portfolio

PART B - Annotated Bibliography will be marked according to the following:

- Relevance of papers
- Correct number of papers included
- Summary provided
- Summary includes key findings and relevance to topic

Referencing Style

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

Submission

Online

Submission Instructions

Submission through Moodle in .doc or .docx format.

Learning Outcomes Assessed

- Develop and evaluate an implementation strategy for innovations in food production utilising technology, data collection and analysis

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work

- Ethical practice

3 In-class test

Assessment Type

In-class Test(s)

Task Description

The in-class test will consist of multiple choice, short response and case study questions related to content delivered during all lectures and tutorials throughout the term. It will be conducted during the tutorial session of Week 12, online through Moodle. Once the online test has commenced, it must be submitted within 3 hours.

Assessment Due Date

The in-class test will be conducted during the tutorial session of Week 12 Thursday (5 Oct. 2023), online through Moodle

Return Date to Students

Grades will be returned within 14 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

- Critically evaluate global emerging trends in food production
- Analyse food production systems and identify strategies for improvement.

Graduate Attributes

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