



# **AGRI12005 *Specialised Food Industries***

## **Term 2 - 2022**

Profile information current as at 27/04/2024 01:15 am

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.

### Corrections

#### **Unit Profile Correction added on 04-07-22**

Under Assessment 2 i) Assessment Due Date and ii) Schedule Week 8, the due date for Assessment 2 is shown as Thursday 9 Sept.

The correct due date is Thursday 8 September 2022.

## 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 - 2022

- 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 Have Your Say

##### 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 is organised well, students are provided with a detailed itinerary and are given opportunities that encompass a variety of industries.

#### Feedback from Have Your Say

##### Feedback

Guest lecturers and industry professionals helped maintain engagement and provide unique perspectives

##### Recommendation

Maintain industry connections to ensure a guest lecture can 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
1 - Communication	•	•	•

Graduate Attributes	Learning Outcomes		
	1	2	3
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](mailto:j.k.manning@cqu.edu.au)

## Schedule

### Week 1 - Introduction and global food production - 11 Jul 2022

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

### Week 2 - Extensive livestock production A - 18 Jul 2022

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

### Week 2 - Grain crops - 25 Jul 2022

Module/Topic	Chapter	Events and Submissions/Topic
Grain crops and grazing stubbles		

### Week 4 - Extensive livestock production B - 01 Aug 2022

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

### Week 5 - Rangeland goat production - 08 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
Rangeland goat production		<b>Global trends in food production presentation</b> Due: Week 5 Friday (12 Aug 2022) 5:00 pm AEST

### Vacation Week - 15 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic

### Week 6 - Aquatic plants to Aquaculture - 22 Aug 2022

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

### Week 7 - Intensive livestock production - 29 Aug 2022

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

### Week 8 - Residential School - 05 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic

Residential School

The residential school will be held on 6/9/2022 - 8/9/2022

**Practical portfolio** Part A - Data collection and analysis Due: Week 8 Thursday (9 Sept 2022) at the conclusion of the residential school

### Week 9 - Horticulture - 12 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Horticulture		

### Week 10 - Dairy production - 19 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Dairy production		<b>Practical portfolio</b> Part B - Annotated bibliography Due: Week 10 Friday (23 Sept. 2022) 5:00 PM AEST

### Week 11 - Pulses and Spices - 26 Sep 2022

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

### Week 12 - Specialised Food Industries summary - 03 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic
Specialised Food Industries summary and in-class test		<b>In-class test</b> Due: Week 12 Tuesday (4 Oct. 2022) during the tutorial session

### Review week - 10 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic

### Exam Week - 17 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic

## 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 (livestock, aquaculture, cropping, horticulture) presented in class with the aid of a powerpoint presentation.

Prepare and record a 10 minute presentation on the topic of "Global trends in food production" in class. You will be assigned a partner, choose a food production system and present it in the following format:

- Introduction to your chosen food production system
- A review of what is happening globally for your chosen food production system
- A discussion of a minimum of two global trends, including outlining past, present and future directions, and whether these trends are positive/negative in the context of the chosen food production system

#### Part B - Peer evaluation (5%)

After 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.  
Marking rubrics will be available on Moodle.

**Assessment Due Date**

Week 5 Friday (12 Aug 2022) 5:00 pm AEST

Both Part A and Part B are DUE Week 5 Friday (12 Aug. 2022) 5:00 PM AEST

**Return Date to Students**

Grades will be returned within 10 working days.

**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 food production
- 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 must select an innovation for a food production system of your choice and find six (6) relevant 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 on either the producer, enterprise 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 Thursday (9 Sept. 2022) at the conclusion of the residential school; Part B DUE Week 10 Friday (23 Sept. 2022) 5:00 PM AEST

### **Return Date to Students**

Grades will be returned within 10 working days.

### **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 Tuesday (4 Oct. 2022), online through Moodle

**Return Date to Students**

Grades will be returned within 10 working days.

**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