



BIOL12110 Agricultural Production Systems

Term 1 - 2017

Profile information current as at 19/05/2024 04:56 pm

All details in this unit profile for BIOL12110 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 examines the major agricultural production systems used for food and fibre production. Students will gain an overview of the importance and scale of agricultural industries from Queensland, national and global contexts. The unit covers on-farm management and recognises the constraints to production in current and future farming systems. Understanding of different components of on-farm management will be combined with a broader understanding of how the components interact with each other and the wider worlds of nature and economics. Key factors involved in establishing new industries and the importance of comparative and competitive advantages to the ongoing success of existing industries in a competitive global market are considered. The unit provides foundation knowledge for more detailed studies in agricultural science and agribusiness.

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

BIOL11101 Field and Farm Ecology

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 - 2017

- Bundaberg
- Distance
- 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**

Weighting: 25%

2. **Written Assessment**

Weighting: 25%

3. **Examination**

Weighting: 50%

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 Comments in class

Feedback

More time spent explaining expectations for assessment tasks would have been useful

Recommendation

No changes to be made. This course was in teach out in 2016 and will not be offered again.

Unit Learning Outcomes

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

1. Describe the features of the major agricultural production systems in Queensland, Australia and globally.
2. Appraise aspects of the production systems and identify areas where future constraints to production are likely to occur.
3. Apply knowledge of competitive and comparative advantage to explain success of major agricultural industries in Queensland.
4. Identify interactions among production practices and environmental and economic factors that characterise different production systems.

None applicable

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 - 25%	•	•	•	•
2 - Written Assessment - 25%		•	•	
3 - Examination - 50%	•			•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Communication	•	•	•	•
2 - Problem Solving		•	•	

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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 - 25%	•	•	•				•			
2 - Written Assessment - 25%	•			•		•				
3 - Examination - 50%	•		•	•		•	•			

Textbooks and Resources

Textbooks

There are no required textbooks.

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: [Harvard \(author-date\)](#)
For further information, see the Assessment Tasks.

Teaching Contacts

Christopher O'Neill Unit Coordinator
c.j.oneill@cqu.edu.au

Schedule

Week 1 - 06 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to the course. Overview of global, Australian and Queensland agricultural industries.		

Week 2 - 13 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
A brief history of Agriculture: the evolution of agricultural production systems.		

Week 3 - 20 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
Current production status of Queensland and Australian agricultural industries.		

Week 4 - 27 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
Beef industry production practises		

Week 5 - 03 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
Other livestock industries production practises		Presentation Due: Week 5 Wednesday (5 Apr 2017) 10:30 am AEST

Vacation Week - 10 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 17 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
Cropping industry production practises		

Week 7 - 24 Apr 2017

Module/Topic	Chapter	Events and Submissions/Topic
Horticultural industry production practises		

Week 8 - 01 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Competitive and comparative advantages: livestock industries		

Week 9 - 08 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Competitive and comparative advantages: plant industries		

Week 10 - 15 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Environmental considerations in agricultural production		Written Assessment Due: Week 10 Wednesday (17 May 2017) 10:30 am AEST

Week 11 - 22 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Future farming systems: trends and technologies that will shape agricultural production - sustainability		

Week 12 - 29 May 2017

Module/Topic	Chapter	Events and Submissions/Topic
Summary		

Review/Exam Week - 05 Jun 2017

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 12 Jun 2017

Module/Topic	Chapter	Events and Submissions/Topic
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Term Specific Information

Please note there is no Residential School for this unit

Assessment Tasks

1 Presentation

Assessment Type

Presentation

Task Description

Prepare and deliver a 25 minute presentation (about 25 PowerPoint slides) to the class (and expect 5 minutes of questions from the class) on a Queensland agricultural industry of your choosing. You must choose an industry or industry sector that generates a single main product (eg the egg production industry sector rather than the poultry industry, or fresh market tomato industry rather than the vegetable industry). Check with your lecturer for the choice of the topic and theme of the presentation.

In your presentation, you should cover the following topics:

- Size and location of the industry in Queensland and in Australia
- Production practices used by the industry
- Major issues faced by producers in the industry in Queensland
- Your views on how you think the industry will change in the future

Assessment will be based on accuracy of the information presented, your presentation skills and your understanding of the material presented.

Assessment Due Date

Week 5 Wednesday (5 Apr 2017) 10:30 am AEST

Presentation in week 5 via Zoom

Return Date to Students

Week 5 Friday (7 Apr 2017)

The presentation will be assessed for effective communication (as per evaluation sheet provided)

Weighting

25%

Minimum mark or grade

40%

Assessment Criteria

Assessment will be based on accuracy of the information presented, your presentation skills and your understanding of the material presented.

APS 2017: Assignment 1 Feedback Sheet for presentation skills**Presentation Evaluation Sheet****Title:****Speaker:**

	Ext	Gd	Av	NI	Comment
Opening: (3 pts)					
Attention getting	Ex	Gd	Av	NI	
Logical	Ex	Gd	Av	NI	
Sets scene	Ex	Gd	Av	NI	
Body: (5 pts)					
Main points articulated	Ex	Gd	Av	NI	
Supporting material	Ex	Gd	Av	NI	
Transition	Ex	Gd	Av	NI	
Sound reasoning	Ex	Gd	Av	NI	
Sources cited	Ex	Gd	Av	NI	
Conclusion: (2 pts)					
Logical closure	Ex	Gd	Av	NI	
Sufficient information	Ex	Gd	Av	NI	
Delivery: (4 pts)					
Physical presence	Ex	Gd	Av	NI	
Vocal variety	Ex	Gd	Av	NI	
Eye contact	Ex	Gd	Av	NI	
Use of notes	Ex	Gd	Av	NI	
Use of pause	Ex	Gd	Av	NI	
Use of visual aids	Ex	Gd	Av	NI	
Use of humour	Ex	Gd	Av	NI	
Gestures	Ex	Gd	Av	NI	
Overall: (6 pts)					
Convincing argument	Ex	Gd	Av	NI	

Evaluation: Ex = Excellent; Gd = Good; Av = Average; NI = Needs Improvement

Time:

Most need of improvement:

Highlight of presentation:

Referencing Style

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

Submission

Online

Submission Instructions

Presentation delivered via a Zoom session

Learning Outcomes Assessed

- Describe the features of the major agricultural production systems in Queensland, Australia and globally.
- Appraise aspects of the production systems and identify areas where future constraints to production are likely to occur.
- Apply knowledge of competitive and comparative advantage to explain success of major agricultural industries in Queensland.
- Identify interactions among production practices and environmental and economic factors that characterise different production systems.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Cross Cultural Competence

2 Written Assessment

Assessment Type

Written Assessment

Task Description

Select an agricultural enterprise and present an analysis of the key production practices used in a crop or livestock production system at the enterprise. Focus on the practices that are used to optimise productivity and product quality. In your analysis of the production practices, describe the practices and explain how each practice influences productivity and/or product quality. Use information from the scientific literature to support your key points. Check with your lecturer the choice of topic and thematic statement for the report.

A scientific report with a word limit for the assignment of 3000 words (plus or minus 10%).

Assessment Due Date

Week 10 Wednesday (17 May 2017) 10:30 am AEST

Electronic submission

Return Date to Students

Week 12 Wednesday (31 May 2017)

Electronic submission

Weighting

25%

Minimum mark or grade

40%

Assessment Criteria

Assessment criteria for this assessment item are:

1. Knowledge of the practices used in agricultural production and understanding of the basis for use of the practices
2. Ability to analyse and evaluate information presented throughout the course
3. Ability to communicate in a written scientific format

APS 2017: Assignment 2 Feedback Sheet

Criteria	Possible Marks	Your Mark	Comment
Quality of Argument:	(35)		
Your written work fully addresses all parts of the assignment question.	10		
Your argument/thesis statement is fully supported by the reference material that you have chosen, but you haven't been biased.	10		
You have chosen reference material that is relevant to the assignment question and you have presented this material accurately.	10		
You have discussed the topic in detail – only one sentence per point.	5		
Written Expression:	(15)		
Fluent and succinct writing – short sentences; only one idea in a sentence and paragraph; correct spelling and punctuation; use of a topic sentence for each paragraph; word length correct +/- 10%.	10		
Harvard referencing and all references acknowledged. Note: maximum of 10% as an internet reference	5		
TOTAL	50		
Word count (3000):			
General comment:			

Referencing Style

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

Submission

Online

Submission Instructions

Written scientific report format

Learning Outcomes Assessed

- Appraise aspects of the production systems and identify areas where future constraints to production are likely to occur.
- Apply knowledge of competitive and comparative advantage to explain success of major agricultural industries in Queensland.

Graduate Attributes

- Communication
- Information Literacy
- Information Technology Competence

Examination**Outline**

Complete an invigilated examination.

Date

During the examination period at a CQUniversity examination centre.

Weighting

50%

Length

180 minutes

Minimum mark or grade

40%

Exam Conditions

Closed Book.

Materials

No calculators permitted

Dictionary - non-electronic, concise, direct translation only (dictionary must not contain any notes or comments).

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