LOGS12005 *Balance Demand and Supply*
Term 1 - 2019

Profile information current as at 04/05/2024 03:24 pm

All details in this unit profile for LOGS12005 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

An initial understanding and later, mastery of inventory management, incorporating inventory policy, planning and control is fundamental to success of the supply network for an organisation. Inventory control is addressed in year 1 of the course. This unit addresses inventory planning and optimisation and is presented in year 2 of the course. To understand the value of inventory planning for a business, students will critically evaluate and develop an understanding concerning the value and liability of inventory to a business. Based on the concepts of complexity in the supply network of a business, students critically examine inventory planning at the organisation level, taking account of various strategies and objectives of a business. The unit develops analytical prescriptive skills for considering options when planning the optimum amount and location of inventory to support an organisation's strategic objectives. The unit then takes a departure from the theoretical underpinnings and asks the students to put what they have learned into action by taking part in a number of rounds of the Supply Chain simulation game called 'The Fresh Connection' (https://www.thefreshconnection.biz/education/)

Details

Career Level: *Undergraduate*
Unit Level: *Level 2*
Credit Points: *6*
Student Contribution Band: *10*
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 - 2019

- Online

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. **Written Assessment**
Weighting: 20%
2. **Written Assessment**
Weighting: 40%
3. **Written Assessment**
Weighting: 40%

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.
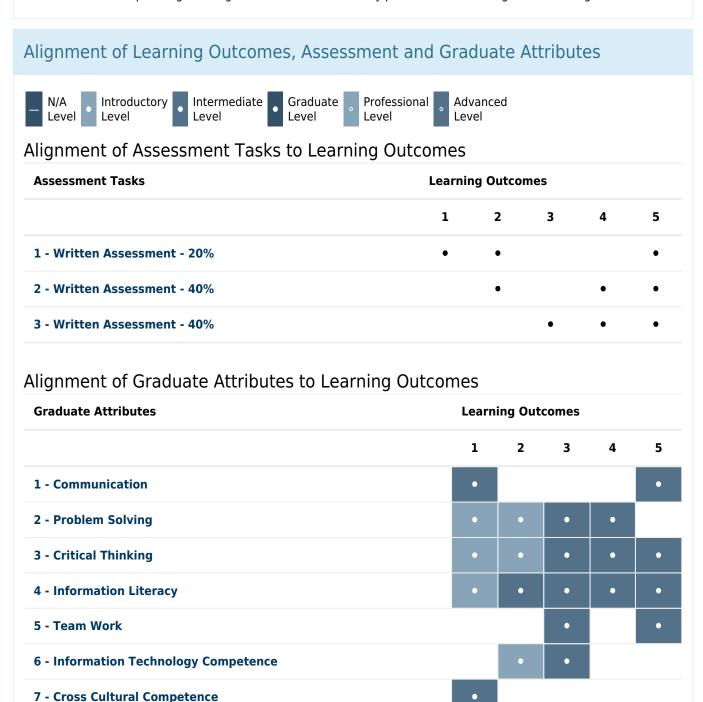You may wish to view these policies:

- 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.

Unit Learning Outcomes

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

1. Assess and discuss the role of inventory within an organisation.
2. Compare and contrast the various options concerned with planning and storing inventory.
3. Critically analyse the inventory planning and optimisation processes available; together with where and how they may be utilised.
4. Evaluate the potential benefits and costs from implementing and using different approaches to inventory planning.
5. Consider the planning challenges and the role of inventory planners in addressing these challenges.

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**	**4**	**5**
1 - Written Assessment - 20%	●	●			●
2 - Written Assessment - 40%		●		●	●
3 - Written Assessment - 40%			●	●	●

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	**2**	**3**	**4**	**5**
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					

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
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 - Written Assessment - 20%			•				•			
2 - Written Assessment - 40%	•		•	•		•	•			
3 - Written Assessment - 40%	•	•	•	•	•					

Textbooks and Resources

Textbooks
LOGS12005

Prescribed

Introduction to Materials Management
8th Edition Global (2017)
Authors: Stephen N. Chapman, J.R. Tony Arnold, Ann K. Gatewood and Lloyd M. Clive
Pearson Education
Upper Saddle River , New Jersey , United States of America
ISBN: 9781292162379 (VitalSource eText) (8e)
Binding: Paperback

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

Ian Gatenby Unit Coordinator
i.gatenby@cqu.edu.au

Schedule

Week 1 - 11 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Inventory Management, Product and Processes	Chapters 1 and 14	

Week 2 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Production Planning System and Master Scheduling	Chapters 2 and 3	

Week 3 - 25 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Materials Requirement Planning	Chapter 4	

Week 4 - 01 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Capacity Management and Production Activity Control	Chapters 5 and 6	

Week 5 - 08 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Purchasing and Forecasting	Chapters 7 and 8	

Vacation Week - 15 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
		Assessment Item 1 - Business Report Due: Vacation Week Friday (19 Apr 2019) 11:45 pm AEST

Week 6 - 22 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Inventory Fundamentals	Chapter 9	Feedback on Assessment 1

Week 7 - 29 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Order Quantities	Chapter 10	

Week 8 - 06 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Independent Demand Ordering Systems	Chapter 11	

Week 9 - 13 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Physical Inventory and Warehouse Management	Chapter 12	**Assessment Item 2 - Business Report** Due: Week 9 Friday (17 May 2019) 11:45 pm AEST

Week 10 - 20 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Physical Distribution	Chapter 13	Feedback on Assessment Item 2

Week 11 - 27 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lean Production	Chapter 15	

Week 12 - 03 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic
Review of Inventory Management		**Assessment Item 3 - Business Report** Due: Week 12 Friday (7 June 2019) 11:45 pm AEST

Review/Exam Week - 10 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic

Exam Week - 17 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic

Term Specific Information

Assessment Tasks

1 Assessment Item 1 - Business Report

Assessment Type
Written Assessment

Task Description
The assessment is designed for students to apply inventory management concepts, methods and tools. The assessment involves writing a 1000-word business report responding to assessment questions related to specific topics and/or case material. Submit your 1000-word report through Turnitin in Moodle, with a cover sheet showing the unit name and number, assessment number, your name and student number. Assessment details and guidance will be provided on the unit website.
You can discuss your assessment ideas before you complete and submit the assessment.

Assessment Due Date
Vacation Week Friday (19 Apr 2019) 11:45 pm AEST
To be uploaded via the Assessment Item 1 Submission link on the Unit Moodle site. Can be submitted as a word or pdf file.

Return Date to Students
Week 6 Friday (26 Apr 2019)
Feedback and grades will be available in Feedback Studio on the Unit Moodle site.

Weighting
20%

Assessment Criteria
Your report analysis, recommendations and presentation will be assessed according to the following criteria:
Thorough understanding of relevant inventory management concepts, principles, theories, tools and models and the questions posed: 60%
Appropriate and well structured, concise and clear expression of inventory management arguments: 10%
Clear flow of thought throughout the paper with a clear and succinct purpose described in the introduction and a clear and succinct conclusion: 10%
Critical analysis and integration of relevant academic and professional literature. A minimum of 10 academic journal articles must be used: 10%
Appropriate in-text referencing and reference list. Adherence to APA formatting: 5%
Clarity of expression, grammar, spelling and business report format (see below): 5%

Referencing Style

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

Submission
Online

Submission Instructions
All submissions must be submitted through the Moodle site. No email submissions will be accepted. Please contact SDesk if you have difficulty accessing the Moodle site.

Learning Outcomes Assessed

- Assess and discuss the role of inventory within an organisation.
- Compare and contrast the various options concerned with planning and storing inventory.
- Consider the planning challenges and the role of inventory planners in addressing these challenges.

Graduate Attributes

- Critical Thinking
- Cross Cultural Competence

2 Assessment Item 2 - Business Report

Assessment Type
Written Assessment

Task Description
The assessment is designed for students to apply inventory management concepts, methods and tools. The assessment involves writing a 1500 - 2000 word business report responding to assessment questions related to specific topics and/or case material. Submit your 1500- 2000 word report through Turnitin in Moodle, with a cover sheet showing the unit name and number, assessment number, your name and student number. Assessment details and guidance will be provided on the unit website.
You can discuss your assessment ideas before you complete and submit the assessment.

Assessment Due Date
Week 9 Friday (17 May 2019) 11:45 pm AEST
To be uploaded via the Assessment Item 2 Submission link on the Unit Moodle site. Can be submitted as a word or pdf file.

Return Date to Students
Week 10 Friday (24 May 2019)
Feedback and grades will be available in Feedback Studio on the Unit Moodle site.

Weighting
40%

Assessment Criteria
Your report analysis, recommendations and presentation will be assessed according to the following criteria:
Thorough understanding of relevant inventory management concepts, principles, theories, tools and models and the questions posed: 60%
Appropriate and well structured, concise and clear expression of inventory management arguments: 10%
Clear flow of thought throughout the paper with a clear and succinct purpose described in the introduction and a clear and succinct conclusion: 10%
Critical analysis and integration of relevant academic and professional literature. A minimum of 10 academic journal articles must be used: 10%
Appropriate in-text referencing and reference list. Adherence to APA formatting: 5%
Clarity of expression, grammar, spelling and business report format (see below): 5%

Referencing Style

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

Submission
Online

Submission Instructions
All submissions must be submitted through the Moodle site. No email submissions will be accepted. Please contact SDesk if you have difficulty accessing the Moodle site.

Learning Outcomes Assessed

- Compare and contrast the various options concerned with planning and storing inventory.
- Evaluate the potential benefits and costs from implementing and using different approaches to inventory

planning.
- Consider the planning challenges and the role of inventory planners in addressing these challenges.

Graduate Attributes

- Communication
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Cross Cultural Competence

3 Assessment Item 3 - Business Report

Assessment Type
Written Assessment

Task Description
The assessment is designed for students to apply inventory management concepts, methods and tools. The assessment involves writing a 1500 - 2000 word business report responding to assessment questions related to specific topics and/or case material. Submit your 1500- 2000 word report through Turnitin in Moodle, with a cover sheet showing the unit name and number, assessment number, your name and student number. Assessment details and guidance will be provided on the unit website.
You can discuss your assessment ideas before you complete and submit the assessment.

Assessment Due Date
Week 12 Friday (7 June 2019) 11:45 pm AEST
To be uploaded via the Assessment Item 3 Submission link on the Unit Moodle site. Can be submitted as a word or pdf file.

Return Date to Students

Results and feedback will be made available on the unit website after Grade Certification.

Weighting
40%

Assessment Criteria
Your report analysis, recommendations and presentation will be assessed according to the following criteria:
Thorough understanding of relevant inventory management concepts, principles, theories, tools and models and the questions posed: 60%
Appropriate and well structured, concise and clear expression of inventory management arguments: 10%
Clear flow of thought throughout the paper with a clear and succinct purpose described in the introduction and a clear and succinct conclusion: 10%
Critical analysis and integration of relevant academic and professional literature. A minimum of 10 academic journal articles must be used: 10%
Appropriate in-text referencing and reference list. Adherence to APA formatting: 5%
Clarity of expression, grammar, spelling and business report format (see below): 5%

Referencing Style

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

Submission
No submission method provided.

Learning Outcomes Assessed

- Critically analyse the inventory planning and optimisation processes available; together with where and how they may be utilised.
- Evaluate the potential benefits and costs from implementing and using different approaches to inventory planning.
- Consider the planning challenges and the role of inventory planners in addressing these challenges.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy

- Team Work

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