

# BUSM 7059 LOGISTICS PROCESSES IN ENTERPRISE RESOURCE PLANNING

**Credit Points** 10

**Legacy Code** 200836

**Coordinator** Premaratne Samaranyake (<https://directory.westernsydney.edu.au/search/name/PremaratneSamaranyake/>)

**Description** This subject introduces key logistics processes supported by modern ERP (Enterprise Resource Planning) systems, using an integrated process perspective of the firm. Each process within broader logistics processes provides the basis for executing logistics operations in a range of organisations across manufacturing, service and government sectors. Logistics processes are introduced through key process cycles including manufacturing, planning and control (MPC) in production planning, procurement cycle in purchasing, sales order processing in sales and distribution, and logistics execution. Cross-integration of these process cycles is also illustrated using various integrations among the procurement, fulfilment, production and warehouse management processes. Logistics processes are demonstrated using data, application and technical integration within an ERP system environment.

**School** Business

**Discipline** Business And Management

**Student Contribution Band** HECS Band 4 10cp

**Level** Postgraduate Coursework Level 7 subject

**Restrictions**

Students must be enrolled in a postgraduate Business program.

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. Demonstrate understanding of key functional areas of logistics processes in manufacturing and service organisations;
2. Explain master data, organisational structures and functions within key functional areas of organisation for effective logistics operations;
3. Perform various planning, control and execution functions within broader logistics processes using an ERP system, based on several planning/execution strategies;
4. Describe how data, application and technical integration works across key functional modules of ERP system, using functional applications and information systems;
5. Apply concepts and principles of logistics processes when implementing re-engineered processes in broader supply chain practices across various industry sectors.

## Subject Content

- introduction to business processes
- The procurement process
- The fulfilment process
- sales and Operations planning and demand management processes
- The material planning process
- The production process

- inventory and warehouse management processes
  - process integration
  - Logistics execution ? selected Topics
1. Introduction to business processes
  2. The procurement process
  3. The fulfilment process
  4. Sales and operations planning and demand management processes
  5. The material planning process
  6. The production process
  7. Inventory and warehouse management processes
  8. Process integration
  9. Logistics execution ? selected topics

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/Group Task
Intra-session Exam	90 minutes	30	N	Individual
Report	2,500-3,000 words	30	N	Group
Final Exam	2 hours	40	N	Individual

Prescribed Texts

- Magal, SR & Word, J 2012, Integrated business processes with ERP systems, 1st edn, John Wiley & Sons, Inc, NJ, USA. ISBN: 978-0-470-47844-8

Teaching Periods

## Quarter 2 (2022)

**Parramatta City - Macquarie St**

**Evening**

**Subject Contact** Premaratne Samaranyake (<https://directory.westernsydney.edu.au/search/name/PremaratneSamaranyake/>)

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=BUSM7059\\_22-Q2\\_PC\\_E#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=BUSM7059_22-Q2_PC_E#subjects))

## Quarter 2 (2023)

**Parramatta City - Macquarie St**

**On-site**

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