Module code: MOD009696	Version: 1 Date Amended: 01/Mar/2024

1. Module Title

Supply Chain Systems

2a. Module Leader

Mark Bentley

2b. School

School of Management

2c. Faculty

Faculty of Business and Law

3a. Level

6

3b. Module Type

Standard (fine graded)

4a. Credits

15

4b. Study Hours

150

5. Restrictions

Type	Module Code	Module Name	Condition
Pre-requisites:	None		
Co-requisites:	None		
Exclusions:	None		
Courses to which this module is restricted:			

6a. Module Description

The Supply Chain Systems within an Integrated ERP module offers you a comprehensive understanding of how supply chain processes are integrated into an Enterprise Resource Planning (ERP) system.

In today's complex business environment, organizations rely on seamless coordination between supply chain functions to optimize efficiency, reduce costs, and enhance customer satisfaction. This module explores the key components of supply chain management, encompassing procurement, inventory management, production planning, logistics, and distribution, within the broader context of an integrated ERP system.

Provide an understanding of core ERP functionalities, you'll acquire the practical knowledge and skills needed to align supply chain processes with business objectives, enhance operational efficiency, reduce costs, and elevate overall organizational performance. The module's emphasis on hands-on learning and real-world applications will empower you to make a tangible impact on supply chain management within your organization.

Cost Control and Financial Management to gain insights into how ERP systems enable better cost control through efficient procurement, inventory management, and resource optimization. You will understand how accurate data and real-time cost analysis support financial decision-making and contribute to overall cost reduction.

6b. Outline Content

- Knowledge of SAP Modules: SAP offers various modules that cater to different business processes such as finance, sales, distribution, production planning, and human resources. It is important to have a thorough understanding of these modules to be able to design, configure, and implement SAP systems effectively.

- Hands-on Experience: It is essential to gain hands-on experience by working on real- world projects to understand the nuances of ERP and SAP implementation. This will help individuals develop problem-solving skills and gain practical knowledge of ERP systems.

- Project Management Skills: ERP implementation projects can be complex and require strong project management skills. It is important to have knowledge of project management methodologies such as Agile or Waterfall, to ensure projects are delivered on time and within budget.

- Communication Skills: Effective communication skills are necessary for successful implementation of ERP systems. Individuals should be able to communicate effectively with stakeholders, team members, and end-users.

- Continuous Learning: ERP systems and SAP modules are constantly evolving, and it is essential to stay up-to-date with the latest developments. Continuous learning through training courses, seminars, and conferences can help individuals stay relevant and advance their careers in the ERP field.

- These training elements can help individuals develop the necessary skills and competencies in ERP and SAP and increase their employability prospects.

6c. Key Texts/Literature

The reading list to support this module is available at: https://readinglists.aru.ac.uk/

6d. Specialist Learning Resources

None

7. Learning Outcomes (threshold standards)		
No.	**Type**	**On successful completion of this module the student will be expected to be able to:**
1	Knowledge and Understanding	Demonstrate an understanding of global multi-tier supplier base systems, and how integration, supports global supply chain operations.
2	Knowledge and Understanding	Understand the impact on current and future trends within supply chain i.e. advanced manufacturing, Micro v Mega factor operations, Geopolitics and the global sustainability agenda from a systems thinking perspective.
3	Intellectual, practical, affective and transferrable skills	Critically evaluate the impact of technology on a supply chain operation i.e. Blockchain, AI, ML, Big Data, to eliminate wastage, increase effectiveness, reduce costs, and support decision making.
4	Intellectual, practical, affective and transferrable skills	Demonstrate skills SCM skills for example, S&OP, ERP, WMS, TMS, 6-Sigma, lean production, applying these skills to manage a global supply chain to manage a global business operation, whilst addressing 'real world problems'.

8a. Module Occurrence to which this MDF Refers				
Year	**Occurrence**	**Period**	**Location**	**Mode of Delivery**
2025/6	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence

Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	12	1-4	1 hour per week over 12-week period of Course Content, Theoretical Models by Course Module Leader.
Other teacher managed learning	12	1-4	1 hours per week over 12-week period student led session. Practical skill development of ERP systems and application to simulated / case study material.
Student managed learning	126	1-4	Canvas Site Activity. Quiz. Discussion. Subject and Topic Reading.
TOTAL:	150		

9. Assessment for the above Module Occurrence

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Coursework	1-4	100 (%)	Fine Grade	30 (%)

Case Study Analysis (equivalent to 3,000 words)

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7*).

In addition, students are required to:
(a) achieve the qualifying mark for each element of fine graded assessment as specified above
(b) pass any pass/fail elements

[* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]