



Module Definition Form (MDF)

Module code: MOD009698	Version: 2 Date Amended: 15/Sep/2025
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1. Module Title
Logistics and Transport

2a. Module Leader
Juan Braschi

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:			

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

Transport & Logistics Management is a comprehensive module that aims to equip you with an in-depth understanding of the fundamental principles, effective strategies, and best practices involved in managing transportation and logistics operations within the dynamic modern business environment.

Throughout the module, you'll explore various critical aspects of transportation modes, supply chain logistics, and strategic decision-making processes that contribute to the optimization of the movement of goods and materials from their point of origin to their final destination. You will gain insights into the complexities of transportation systems, enabling you to devise efficient and sustainable solutions that foster cost-effective transport and logistics systems.

In this module, you'll have the opportunity to apply the acquired knowledge and concepts of transportation and logistics management to your chosen industries. By doing so, you'll learn how to orchestrate the seamless flow of goods and materials throughout the entire supply chain, addressing key elements such as transportation modes, global transport management, fleet, carrier, and asset management, inventory management, reverse logistics, and distribution management. Ultimately, this holistic approach will contribute to maximizing customer satisfaction and achieving total supply chain management (SCM) efficiency and optimization.

There is an emphasis on field-specific concentrations, allowing you to delve deeper into specific areas of transportation and logistics management, providing you with specialized expertise and insights into practical and successful strategies employed in the industry. Additionally, you'll gain a broader understanding of the far-reaching consequences of SCM on society, the environment, and the process of globalization.

By the end of this module, you'll have developed a profound appreciation for the critical role that transportation and logistics management play in driving business success and be equipped with the knowledge and skills needed to navigate the complexities of the supply chain, adeptly managing the flow of goods and materials while considering the broader implications on the global economy and the environment. As a result, you'll be well-prepared to contribute effectively to the growth and sustainability of organizations operating in today's interconnected and competitive business landscape.

6b. Outline Content

- **Introduction to Transport & Logistics Management:** Understand the critical role of transportation and logistics in the supply chain and the overall business landscape. Explore the key components and functions of the transportation and logistics industry.
- **Transportation Modes and Infrastructure:** Examine different transportation modes, including road, rail, air, sea, and pipeline, and their strengths and limitations. Study the importance of transportation infrastructure and its impact on supply chain efficiency.
- **Freight Management and Warehousing:** Learn techniques for effective freight management, including cargo consolidation, intermodal transportation, and multi-modal solutions. Understand the principles of warehousing, distribution centres, and inventory management in modern logistics systems.
- **Logistics Network Design:** analyse the design and optimization of logistics networks. Evaluate location decisions, facility layout, and distribution strategies to enhance responsiveness and reduce transportation costs.
- **Supply Chain Integration:** Explore the integration of transportation and logistics within the broader supply chain context. Understand the collaboration and coordination needed between various stakeholders to streamline operations and achieve supply chain efficiency.
- **Technology and Innovation in Transport & Logistics:** Study the latest technologies, such as Internet of Things (IoT), blockchain, autonomous vehicles, and artificial intelligence, and their application in transportation and logistics management.
- **Risk Management and Resilience:** Identify potential risks and disruptions in transportation and logistics operations. Develop strategies to manage risks and enhance supply chain resilience in the face of uncertainties.
- **Sustainability and Green Logistics:** Examine the environmental impact of transportation and logistics activities. Learn about sustainable practices, eco-friendly transportation alternatives, and strategies to reduce the carbon footprint of supply chains.
- **Global Trade and Regulatory Compliance:** Understand the complexities of international trade and customs regulations. Explore strategies for navigating global logistics challenges, trade agreements, and compliance requirements.
- **Ethical and Social Responsibility:** Discuss the ethical considerations and social responsibilities associated with transportation and logistics management. Address issues related to worker safety, fair labor practices, and community impacts.
- **Performance Measurement and Continuous Improvement:** Learn about key performance indicators (KPIs) used to measure transportation and logistics performance. Explore continuous improvement methodologies to enhance operational efficiency and customer satisfaction.
- **Case Studies and Practical Applications:** analyse real-world case studies from diverse industries to apply theoretical concepts to practical transport and logistics scenarios. Engage in simulation exercises to develop problem-solving and decision-making skills.

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	Examine and demonstrate knowledge of transportation systems, supply chain integration, logistics for competitive advantage, and logistics management.
2	Knowledge and Understanding	Demonstrate an understanding of transportation systems in a chosen industry and be able to discuss the requirements of various supply chains.
3	Intellectual, practical, affective and transferrable skills	Understand how to optimise and organise effective transport and logistics processes to enhance SCM and customer satisfaction, considering consumer trends, the future impact of technology, sustainability and reverse logistics.
4	Intellectual, practical, affective and transferrable skills	Use real-world case studies of companies to fully understand the practical examples of transport & logistics management. The impacts of transport and logistics management within a given industry linked to consumer demand and type of products.

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
Other teacher managed learning	12	1-4	1 hour per week over 12-week period of Course Content
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) based on a live brief assignment

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]