Module Definition Form (MDF)

Module code: MOD009693	**Version:** 1 **Date Amended:** 01/Mar/2024

1. Module Title
Supply Chain Geography

2a. Module Leader
Mark Bentley

2b. School
School of Management

2c. Faculty
Faculty of Business and Law

3a. Level
5

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

Supply Chain Geography is an interdisciplinary module that delves into the critical intersection between geography and supply chain management. In this module, you'll explore how geographical factors and spatial considerations profoundly impact supply chain strategies, operations, and decision-making processes.

By understanding how the physical landscape and spatial relationships influence supply chain dynamics, you will gain valuable insights to optimize logistics, enhance efficiency, and navigate the complexities of global supply chains.

6b. Outline Content

- Understanding supply chain components, nodes and flows
- The importance of efficient and effective supply chain management
- Role of location in supply chain design (Consumers Vs Manufacturer)
- Factors influencing facility location decisions (e.g., proximity to markets, suppliers, transportation hubs)
- Regional differences and their implications for supply chain design
- Modes of transportation and their characteristics (road, rail, air, sea, last mile delivery, drones)
- Evaluation of transportation routes and networks
- The impact of transportation infrastructure on supply chain efficiency
- Geopolitical factors and their effects on international supply chains
- Trade agreements and tariffs
- Country risk analysis and supply chain resilience
- Identifying geographic risks in supply chains
- Strategies to mitigate supply chain disruptions
- Building resilient supply chains through geographic diversification
- Geographic Information Systems (GIS) in Supply Chain Management
- Spatial data visualization and mapping for supply chain decision-making
- Sustainability and Environmental Considerations
- Urbanization and Consumer Trends
- Understanding urbanization trends and their impact on supply chain strategies

- Consumer preferences and their influence on supply chain localization
- Analyzing real-world supply chain examples from different industries
- Group projects applying geographic principles to supply chain problem-solving
- Emerging technologies and their impact on supply chains
- Predictions for the future of supply chain geography
- Case Studies and Practical Applications

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	Apply relevant theoretical concepts and techniques to understand new complex business and supply chain situations;
2	Knowledge and Understanding	Display a systematic understanding of relevant knowledge about strategy; leadership; organizations and their role in the wider global supply chain, through conducting research utilizing business data and research sources;
3	Knowledge and Understanding	Exhibit creativity in applying existing knowledge into practice, harnessing established research and analytical techniques to develop solutions and plan projects to improve procurement and supply chain performance;
4	Intellectual, practical, affective and transferrable skills	Recognize the need for change and complexities of leading and managing change within cultural contexts.

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	Lecture 1 hr x 12 weeks
Other teacher managed learning	12	1-4	Seminar 1 hr x 12 weeks
Student managed learning	126	1-4	Preparation for seminars, including reading, researching issues.
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]