

WM9F5-15 Supply Chain Management

24/25

Department

WMG

Level

Taught Postgraduate Level

Module leader

Mucahit Ozden

Credit value

15

Module duration

4 weeks

Assessment

100% coursework

Study location

University of Warwick main campus, Coventry

Description

Introductory description

In facing the rapid changes in a globally competitive market and the constantly renewed technological innovation. Global supply chain and logistics sectors are enduring ever-increasing challenges, where demand for renewed knowledge and skills, especially for the new generation of industrialists, is constantly rising. This proposed Supply Chain Management module is designed to face these challenges and delivers a new set of fundamental knowledge that addresses the changing business structure, relationship, and operational effectiveness from a renewed supply chain perspective. The contents of the module are thus based on the most recent research findings and managerial experiences around the globe. The module is delivered through face-to-face lectures, seminars, and online guided asynchronous learning. It is delivered mainly by the University's internal academic tutor, and supported and complemented by contributions from experienced external professionals and academics alike.

Module aims

The principal aims of the module are to prepare the students with advanced knowledge in the field of supply chain management and to develop the essential skills to apply the knowledge when facing or anticipating real-world business cases.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

1. Fundamentals of supply chain management
2. Lean supply management
3. Agile supply management
4. Supply chain design and planning
5. Supplier relationship management
6. Strategic outsourcing
7. Risk management in SC
8. Value stream mapping
9. Information driven SC
10. Managing strategic changes in SC
11. Bullwhip effect and Beer Game
12. Decision making in outsourcing
13. Kraljic Matrix for Purchasing portfolio analysis
14. Supply chain cost analysis
15. Supply chain sustainability
16. Trends of digitisation in supply chain development

Learning outcomes

By the end of the module, students should be able to:

- Formulate suitable conceptual models from a real-world supply chain cases and identify what the underlying issues are within and beyond the supply chain.
- Identify and evaluate supply chain strategies and assess their fit for the competitive environment.
- Critically analyse the effectiveness and efficiency of managerial approaches to supply chain strategic and operational performance.
- Make feasible, practical and supported recommendations to improve supply chain competitiveness.

Indicative reading list

Supply Chain 4.0 concept, maturity and research agenda, 2019.

Supply Chain Disruption: Aligning Business Strategy and Supply Chain Tactics, Steve O'Sullivan, 2018

What does Industry 4.0 mean to supply chain, 2017.

Logistics & supply chain management - Martin Christopher, 2011.

Fundamentals of Supply Chain Management - Dawei Lu, 2011

[View reading list on Talis Aspire](#)

Subject specific skills

Understand the scope and contents of supply chain management

Conceptualise real-world supply chains into a theoretical model or framework

Analyse the market and competitive business environment from a supply chain perspective
Apply relevant management frameworks and theories in strategic planning and design of supply chain
Make constructive and educated suggestions for supply chain improvement and development
Be familiar with supply chain management tools that facilitate the management practices

Transferable skills

Communication skill, presentation and articulation skill, team work and team leader skills, dependability, adaptability to much wider employment opportunities, business and related technology literacy.
Critical analysis skills, including constructive reasoning; making logical and convincing argument.

Study

Study time

Type	Required
Lectures	15 sessions of 1 hour (10%)
Seminars	15 sessions of 1 hour (10%)
Online learning (scheduled sessions)	(0%)
Online learning (independent)	18 sessions of 1 hour (12%)
Private study	42 hours (28%)
Assessment	60 hours (40%)
Total	150 hours

Private study description

Pre-module work suitable within the 4-week block
Extended Reading from the reading list
Literature exploration
Case study and analysis
Online exploration for professional development and technological innovation

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group A1

	Weighting	Study time
In depth understanding of supply chain management	25%	15 hours
Students will be given a wide range of multiple-choice questions on various aspects of the learned knowledge reflecting their in-depth understanding of the subject learned. The test will take place during the 4-week block.		
Formulating and evaluating a conceptual model of a real-world supply chain	75%	45 hours
The assessment requires students to study a given case and theorize the identified supply chain management approaches to a conceptual model; evaluate the models' fit to the identified facts and evidence; and make rationale suggestions for supply chain improvement.		

Feedback on assessment

A written report of assessment would be provided to students to assess their performance in terms of achieving the learning objectives.

Availability

Post-requisite modules

If you pass this module, you can take:

- WM9F1-15 Procurement and Inventory Management

Courses

This module is Core for:

- Year 1 of TWMS-H1SD Postgraduate Taught Supply Chain and Logistics Management (Full-time)