

IB384-15 Supply Chain Management

24/25

Department

Warwick Business School

Level

Undergraduate Level 3

Module leader

Sangho Chae

Credit value

15

Module duration

10 weeks

Assessment

Multiple

Study location

University of Warwick main campus, Coventry

Description

Introductory description

This is an elective module available for WBS and non-WBS students.

The aim of this module is to provide an understanding of the methods, techniques, practices and strategies involved in the integrated management of supply chains and networks across organisations and industries.

[Module web page](#)

Module aims

The aim of this module is to provide an understanding of the methods, techniques, practices and strategies involved in the integrated management of supply chains and networks across organisations and industries.

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.

- The scope and definition of supply chain management.

- The strategic importance of networks and supply chains.
- Supply chain configuration.
- The dynamics of supply chain performance.
- Purchasing & supplies management.
- Supplier development.
- Account management.
- Logistics and distribution.
- Fast response and just in time.
- Inventory management.
- Process technology strategy.
- The management of information and IT across organisations.
- Interaction and relationship management.
- The design chain.
- Global and international supply chain management.
- Political, ecological and economic policy issues in supply chain management.

Learning outcomes

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

- Demonstrate an understanding of the main concepts in supply chain dynamics.
- Develop a comprehensive understanding of the strategic supplier relationship management strategies.
- Explain the core operations and supply chain processes within an organization.
- Critically discuss the reasons why supply chain management is a strategic function in modern organisations.
- Explain the sustainability issues concerned with complex modern supply chains.
- Recognize the need to identify supply chain risk and their drivers and explore risk mitigation strategies in supply chains.
- Realize the trade-offs embedded in the outsourcing, re-shoring and offshoring decisions.
- Analyse organizations utilizing operational models and frameworks to explain their core supply chain processes, analyse their relationship with stakeholders with associated risks, strategies and challenges.
- Develop an understanding that supply chains are complex and adaptive networks and need to be managed dynamically.

Indicative reading list

Kim, S. and Chae, S. (2022) 'Shareholder Value Effects of Ethical Sourcing: Comparing Reactive and Proactive Initiatives', *Journal of Business Ethics*, 179(3), pp. 887–906.

Lee, H.L. (2024) 'The triple-A supply chain', 82(10), pp. 102–113.

Montabon, F., Pagell, M. and Wu, Z. (2016) 'Making Sustainability Sustainable', *Journal of Supply Chain Management*, 52(2), pp. 11–27.

Swink, M., Melnyk, S., Hartley, J.L. & Cooper, M.B. (2024) "Managing Operations Across the Supply Chain" 5th ed. New York: McGraw-Hill

Villena, V.H. and Gioia, D.A. (no date) 'A more sustainable supply chain', 98(2), pp. 84–93.

Subject specific skills

Analyse and identify the performance measures for supply chains of various sectors and industries.

Analyse an organizations utilizing operational models and frameworks to explain their core supply chain processes and operations.

Examine the supplier relationships with associated risks, benefits and relationships management strategies.

Explain how supply chain performance measurement enhance customer value.

Transferable skills

Understanding of managerial roles at the inter organisational interfaces within organisations. Indirect experience gained through key guest talks from influential organisations in supply chain domain.

Applying analytical skills in problem solving, communication and information retrieval within the cases studied.

Be able to analyse and address the current and most up to date challenges faced by supply chain professionals.

Present arguments and suggestions clearly and academically in both oral and written form.

Analyse and identify the performance measures for a supply chain.

Developing a strategic overview for the link between commercial success and supply chain performance.

Study

Study time

Type	Required
Lectures	10 sessions of 1 hour (7%)
Seminars	9 sessions of 1 hour (6%)
Online learning (independent)	10 sessions of 1 hour (7%)
Private study	48 hours (32%)
Assessment	73 hours (49%)
Total	150 hours

Private study description

Private Study.

Costs

No further costs have been identified for this module.

Assessment

You do not need to pass all assessment components to pass the module.

Assessment group A4

	Weighting	Study time
Individual Assignment	90%	65 hours
Participation	10%	8 hours

Assessment group R

	Weighting	Study time
Individual Assignment	100%	

Feedback on assessment

Feedback via My.WBS.

Availability

Courses

This module is Core for:

- Year 3 of UESA-HN12 BEng Engineering Business Management
- Year 3 of UESA-HN15 BEng Engineering Business Management
- Year 4 of UESA-HN13 BEng Engineering Business Management with Intercalated Year

This module is Optional for:

- UIBA-MN34 Law and Business Four Year (Qualifying Degree)
 - Year 3 of MN34 Law and Business Studies Four Year (Qualifying Degree)
 - Year 4 of MN34 Law and Business Studies Four Year (Qualifying Degree)
- UECA-3 Undergraduate Economics 3 Year Variants
 - Year 3 of L100 Economics
 - Year 3 of L100 Economics
 - Year 3 of L100 Economics
- UPHA-L1CA Undergraduate Economics, Psychology and Philosophy
 - Year 3 of L1CA Economics, Psychology and Philosophy
 - Year 3 of L1CC Economics, Psychology and Philosophy (Behavioural Economics)

- Pathway)
 - Year 3 of L1CD Economics, Psychology and Philosophy (Economics with Philosophy Pathway)
 - Year 3 of L1CE Economics, Psychology and Philosophy (Philosophy and Psychology Pathway)
- UPHA-L1CB Undergraduate Economics, Psychology and Philosophy (with Intercalated Year)
 - Year 4 of L1CG Economics, Psychology and Philosophy (Behavioural Economics Pathway) (with Intercalated Year)
 - Year 4 of L1CH Economics, Psychology and Philosophy (Economics with Philosophy Pathway) (with Intercalated Year)
 - Year 4 of L1CJ Economics, Psychology and Philosophy (Philosophy and Psychology Pathway) (with Intercalated Year)
 - Year 4 of L1CB Economics, Psychology and Philosophy (with Intercalated Year)
 - Year 4 of L1CB Economics, Psychology and Philosophy (with Intercalated Year)
- Year 2 of UIPA-L8N1 Undergraduate Global Sustainable Development and Business
- Year 3 of UIBA-MN31 Undergraduate Law and Business Studies
- UIBA-MN32 Undergraduate Law and Business Studies
 - Year 3 of MN32 Law and Business Studies (Four-Year)
 - Year 4 of MN32 Law and Business Studies (Four-Year)
- UIBA-MN37 Undergraduate Law and Business Studies (Qualifying Degree) with Intercalated Year
 - Year 2 of MN37 Law and Business Studies (Qualifying Degree) with Intercalated Year
 - Year 5 of MN37 Law and Business Studies (Qualifying Degree) with Intercalated Year
- UIBA-MN35 Undergraduate Law and Business Studies with Intercalated Year (3+1)
 - Year 3 of MN35 Law and Business Studies with Intercalated Year (3+1)
 - Year 4 of MN35 Law and Business Studies with Intercalated Year (3+1)
- UIBA-MN36 Undergraduate Law and Business Studies with Intercalated Year (4+1)
 - Year 2 of MN36 Law and Business Studies with Intercalated Year (4+1)
 - Year 5 of MN36 Law and Business Studies with Intercalated Year (4+1)
- USTA-G300 Undergraduate Master of Mathematics, Operational Research, Statistics and Economics
 - Year 3 of G300 Mathematics, Operational Research, Statistics and Economics
 - Year 4 of G300 Mathematics, Operational Research, Statistics and Economics

This module is Unusual option for:

- UPHA-L1CA Undergraduate Economics, Psychology and Philosophy
 - Year 2 of L1CA Economics, Psychology and Philosophy
 - Year 3 of L1CA Economics, Psychology and Philosophy

This module is Option list B for:

- USTA-Y602 Undergraduate Mathematics, Operational Research, Statistics and Economics
 - Year 3 of Y602 Mathematics, Operational Research, Stats, Economics
 - Year 3 of Y602 Mathematics, Operational Research, Stats, Economics