

## MODULE DESCRIPTOR

### Module Title

Supply Chain Management

|           |             |             |         |
|-----------|-------------|-------------|---------|
| Reference | BSM523      | Version     | 7       |
| Created   | August 2021 | SCQF Level  | SCQF 11 |
| Approved  | July 2018   | SCQF Points | 15      |
| Amended   | August 2021 | ECTS Points | 7.5     |

### Aims of Module

To promote an understanding of the contribution of the integrated supply chain to the achievement of organisational effectiveness.

### Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Critically analyse and discuss in a systematic and critical manner the concepts, principles and models related to Supply Chain Management.
- 2 Analytically examine the supply chain of organisations and measure performance improvement.
- 3 Synthesise a range of advanced and specialised concepts, principles and models and apply these for operational and strategic improvement.
- 4 Show an autonomous ability for research, problem-solving and an enthusiasm for independent learning.

### Indicative Module Content

Major conceptual approaches to the supply chain will be examined relating to three main themes: supply chain policy; supply chain practice; block chain, and supply chain improvement. Strategic aspects of the integrated supply chain are investigated within a background of the growing internationalisation of business, with specific attention to the issues surrounding sustainability of supply chain design and practice. Lean and Agile Supply Chain strategies are reviewed and their suitability to different supply chain scenarios critically evaluated. Aspects of supply chain design such as postponement, de-coupling and the role of information are emphasised. In particular, the dilemma of measuring supply chain performance are examined related to the customer service and resource productivity objectives, with specific coverage of the tripple-bottom line philosophy addressing economic, environmental and social performance of the supply chain. Leading-edge concepts such as transformational logistics, process mapping, re-engineering the supply chain, e-business technology, reverse logistics and the strategic management of lead times shall be evaluated. Throughout the module the integrative benefits of the supply chain shall be emphasised with case examples studied from best practice organisations world-wide, relating these to themes of sustainability and globalisation.

**Module Delivery**

Taught Mode: The module is delivered in Taught Mode by lectures, interactive group work, case study tutorials and directed self-study. Distance Learning Mode: The module is delivered in Distance Learning Mode by self directed learning from paper-based or web-based learning materials, supported by seminars and/or on-line support.

**Indicative Student Workload**

|  | Full Time | Part Time |
|--|-----------|-----------|
| Contact Hours  | 36        | 36        |
| Non-Contact Hours  | 114       | 114       |
| Placement/Work-Based Learning Experience [Notional] Hours                    | N/A       | N/A       |
| TOTAL  | 150       | 150       |
| <i>Actual Placement hours for professional, statutory or regulatory body</i> |           |           |

**ASSESSMENT PLAN**

If a major/minor model is used and box is ticked, % weightings below are indicative only.

**Component 1**

|              |                       |            |      |                    |            |
|--------------|-----------------------|------------|------|--------------------|------------|
| Type:        | Coursework            | Weighting: | 100% | Outcomes Assessed: | 1, 2, 3, 4 |
| Description: | Individual coursework |            |      |                    |            |

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

Component 1 comprises 100% of the module grade. To pass the module, a D grade is required.

| Module Grade | Minimum Requirements to achieve Module Grade:                                  |
|--------------|--|
| <b>A</b>     | A  |
| <b>B</b>     | B  |
| <b>C</b>     | C  |
| <b>D</b>     | D  |
| <b>E</b>     | E  |
| <b>F</b>     | F  |
| <b>NS</b>    | Non-submission of work by published deadline or non-attendance for examination |

**Module Requirements**

|                          |       |
|--------------------------|-------|
| Prerequisites for Module | None. |
| Corequisites for module  | None. |
| Precluded Modules        | None. |

**INDICATIVE BIBLIOGRAPHY**

- 1 CHOPRA, S., 2019. Supply chain management: strategy, planning and operation. 7th ed. London: Pearson Education
- 2 MINH TRANG, R. and SIEGFRIED, P., 2022. Sustainable supply chain management: learning from the German automotive industry. Springer International Publishing.
- 3 SACHIN, S.K., 2023. Digital transformation and industry 4.0 for sustainable supply chain performance. Springer International Publishing.
- 4 PFOHL, H.C., 2023. Logistics management: conception and functions. Springer International Publishing.
- 5 BLANCHARD, D., 2021. Supply chain management: best practices. 3rd ed. UK: Wiley.