

Module code	SSCM_PBUS7E	NQF level	7
Credit value	20	Study duration	12 weeks

Sustainable Supply Chain Management

Module description

This module introduces students to the concept of sustainable supply chain management (SSCM) its core functions of supply chain management. Explicitly, the quest for sustainability spans across purchasing, manufacturing, distributing, storing, warehousing as well as usage, recycling and lastly disposal. This module develops understanding on the complex nature of sustainability and explores current as well as future trends within sustainable supply chain management.

The core premise of this module is that businesses are subjected to increasing pressures to demonstrate their social and environmental credentials by operating a sustainable supply chain. This highlights a key criterion of a responsible company. The students will gain an understanding of how the concept of sustainability is embedded in the Triple Bottom Line approach and how it been understood from various perspectives. The importance of supply chain management is now beyond the mere maximisation of profits and performance improvement. This includes societal and environmental implications which are growing in importance due to limited and depleted natural resources, climate change, mounting inequalities and economic disparity.

The module will make use of case studies on sustainable supply chains and operations, illuminating the challenges that organisations face when successfully building sustainability into their supply chains. The module will also provide different forward-thinking examples and technologies that are game changers where supply chain sustainability is concerned. With this underpinning, this module aims to give students the requisite knowledge to pursue a career in multiple different markets throughout their career.

This module aims to:

- understand different facets of sustainability
- demonstrate how sustainability permeates Supply Chain Management, creating Sustainable Supply Chain Management
- critically evaluate the social, economic, ethical and environmental issues that are linked to the unsustainable sustainable supply chain
- recognise how sustainability can be a competitive advantage
- further the development of Sustainable Supply Chain Management industry managers 'fit for the future'.

Learning outcomes

- Understand the complex term of sustainability and its application to the supply chain from multiple dimensions
- Demonstrate an awareness of environmental, social and ethical aspects of Supply Chain Management
- Show critical understanding of how sustainability links with efficiency and competitive advantage, influencing practices, business models and strategies implemented
- Plan for and justify application of sustainability factors when making operations and supply chain decisions

Syllabus

- Understanding the complex nature of sustainability
- Sustainability and future trends
- Industry 4.0 And innovations aiding supply chain sustainability
- Sustainable sourcing
- Sustainable stages of the supply chain management
- Sustainable operations and supply chain management as competitiveness factors
- Measuring environmental impacts in supply chains
- Reverse logistics and closed-loop supply chain
- Business models and strategy in sustainable supply chains and stakeholders
- Business implications of sustainability practices in supply chains
- The social dimension of sustainable supply chains
- Operational aspects of efficiency in sustainable supply chain

Learning and Teaching Methods

This module will be delivered by interactive and tutor led learning materials provided on the learning platform supplemented by readings. Tutor support will be available to students, via phone, email and a fortnightly seminar (Q&A) session.

On average, students are required to complete approximately 10-15 hours of study per module, per week, however this is indicative given the online nature of study.

Students can find this information within the Course Handbook and on the learning platform.

Description of unit of assessment	Length/Duration	Submission date	Weighting
<ul style="list-style-type: none"> ■ Mid-module assignment ■ Part 1 - Preparatory case study analysis plan ■ Part 2 - Case study analysis report 	Part 1 - 500 words Part 2 - 2,000 words	Part 1 - Unit 4 Part 2 - Unit 6	Part 1 - 10% Part 2 - 40%
<ul style="list-style-type: none"> ■ End of module assignment ■ Part 1 - Preparatory report plan ■ Part 2 - Report 	Part 1 - 500 words Part 2 - 2,000 words	Part 1 - Unit 10 Part 2 - Unit 12	Part 1 - 10% Part 2 - 40%