

Module code	SO20_PBUS7E	NQF level	7
Credit value	10	Study duration	6 weeks

Sustainability and Operations

Module description

In this module we shall be exploring the role of operations management. Operations management is the management of the resources and processes that create and supply the services and/or products of an organisation or function. Every organisation has an operations function because every organisation produces some mixture of products and services. Consequently, operations management is relevant to all sectors and most functions within an organisation. Operations managers are tasked with satisfying customer demand for better products and services, more choice, and prompt deliveries.

In today's globalised markets where supply chains have become increasingly extended the operations function ensures that a company is able to achieve and/or sustain competitive advantage in a sustainable manner. Sustainability has become increasingly important to organisations across the globe.

This module aims to:

- Develop an understanding of how to design, manage, measure and improve the operations of an organisation in a sustainable manner
- Critically examine and analyse the importance of the operations function in organisations
- Critically evaluate and analyse the fundamental issues of facilities location, output planning, inventory control, scheduling, and quality control with supply chain management issues
- Emphasise quality and its impact in securing a strategic advantage for manufacturing and service entities in terms of its effect on all interested parties

Learning outcomes

On completion of this module, students will be able to:

- determine the effect that operations can have on the sustainability of an organisation
- critically examine sustainability and future operational sustainability trends
- consider sustainability in operational design, logistics and distribution
- critically assess tools for lean management and consider ethical issues and social "wastes"
- assess and select appropriate measurement tools that highlight effective sustainable operations

Syllabus

- Operations management and processes
- Operations strategy and supply networks
- Design - operations design
- Delivery - supply chain management
- Planning and control
- Development - quality and improvement

Learning and teaching methods

This module will be delivered by learning materials provided on the learning platform supplemented by readings. Tutor support will be available to students via phone, email, and a fortnightly seminar session.

Description of unit of assessment	Length/Duration	Submission date	Weighting
End of module project	2,500 to 3,000 words	End of Unit 6	70%
Discussion forums x2	Up to 10 posts in each forum	End of Units 2 and 4	20%
Individual reflective journal	3 entries	End of Units 2, 4 and 6	10%