

Sustainable Operations

Module Code	SO	NQF level:	7
Credit Value	10	Study duration:	6 weeks

Module description:

Operations Management is the management of the resources and processes that create and supply the services and/or products of an organisation or function. As such Operations Management is relevant to all sectors and most functions within an organisation. This module will equip students with the skills to manage operations in a sustainable way that helps deliver the triple bottom line of people, planet and profit.

The module introduces a range of models that help students manage a range of operations from high volume batch processing to low volume bespoke businesses. It considers both production and service organisations and address the increasing blurring of the distinction between the two.

This module aims to:

- develop an understanding of how to design, manage, measure and improve the operations of an organisation in a sustainable manner.

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 the main performance objectives of operations as they apply to all organisations
- design processes appropriate for the product or service being delivered
- critically assess and select appropriate planning and control tools for an organisation
- assess and select appropriate process improvement methods for organisations

Syllabus

- An Introduction to Operations and Sustainability
- Operations strategy, Supply Network and Process Design
- Intro to Supply Chains and Global Supply Chain Management
- Capacity & Inventory Management and Lean
- Performance Management and Risk

Learning and teaching methods

This module will be delivered by learning materials provided on the learning platform supplemented by readings. Students also have access to a series of 'Listen Again' lectures recorded on campus by Essex Business teaching staff. Tutor support will be available to students via phone, email, and weekly live seminar sessions. Each seminar revolves around a subject case study which links to the same resources used by students in the on-campus programme.

Description of unit of assessment	Length/Duration	Submission Date	Weighting
End of Module Project	2,500 words	End of Unit 6	70%
Discussion Forums x 2	Up to 10 posts	End of Units 2 and 4	20%
Individual Reflective Journal	3 entries	End of Units 2, 4 and 6	10%