

Sustainable Operations

Module Code:	OIM7013-A
Academic Year:	2018-19
Credit Rating:	10
School:	School of Management
Subject Area:	Operations and Information Management
FHEQ Level:	FHEQ Level 7 (Masters)

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	12
Demonstration	76
Tutorials	12

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims

To provide you with the knowledge and skills to develop and operationalise business models/strategies within the appropriate frameworks to comply with future requirements for sustainability. The three aspects of sustainability (economic, social, environment) are considered. To analyse critically the literature regarding sustainable operations, develop appropriate models based on the evidence available and to demonstrate how the models satisfy the sustainability challenge that will face organisations in the future.

Outline Syllabus

The module follows the classic operations management taught structure including operations strategy, supply chains, reverse supply chains, product and process design,

process improvement etc. but redefines it in terms that support an analysis for sustainability. This is achieved within the overall framework of Agenda 21 and includes analysis of inputs to operations including: energy and commodities; product and service development; process development; business models and assessment of their associated risks and uncertainty. The module integrates some of the syllabus content from other modules and acts as a capstone module.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1
 - a) recognise sustainability issues in operations;
 - b) research and synthesise data regarding sustainable operations and its effects;
 - c) demonstrate understanding of the complex relationships of the different activities of a business and to adopt a holistic approach to the sustainability requirements.
- 2
 - a) develop business models that directly address the operations aspects of the sustainability agenda;
 - b) assess the models against defined key performance indicators.
- 3
 - a) demonstrate effective listening, oral and written communication of complex ideas and arguments, including the preparation of business reports to communicate complex business ideas.
 - b) demonstrate your effectiveness in working as part of a team.

Learning, Teaching and Assessment Strategy

Learning is directed, supported and reinforced through a combination of lectures, discussion groups, directed and self-directed study. You are expected to work singly and in groups, to research suggested topics and to present findings for discussion as non-assessed work. Non-assessed work receives formative feedback. This module is focused strongly on research and group work.

Assessment is by a group researched and analytical discussion of a chosen and agreed aspect of sustainability in operations. The 3500 word report assesses LOs 1 a) b) c), 2 a) b), 3 a). The multimedia presentation assesses LOs 3 a). The peer assessment assesses LO 3 b). ESD is at the core of this module and is reinforced throughout the syllabus.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Presentation	Individual coursework - Multimedia presentation		30%	No
Summative	Coursework	group researched report	-3500 words	70%	Yes

Legacy Code (if applicable)

MAN4315M

Reading List

To view Reading List, please go to [rebus:list](#).