

Module Details	
Module Title:	Operations and Technology Management
Module Code:	OIM4011-B
Academic Year:	2019-20
Credit Rating:	20
School:	School of Management
Subject Area:	Operations and Information Management
FHEQ Level:	FHEQ Level 4
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Lectures	24
Tutorials	24
Directed Study	152

Availability	
Occurrence	Location / Period
ONA	College of Banking and Financial Studies, Oman / Academic Year (Sept - May)
BDA	University of Bradford / Academic Year (Sept - May)

Module Aims
<p>This module is designed to enable students to:</p> <ol style="list-style-type: none"> 1. Appreciate the real life applicability and use of Operations Management and Information Systems in contemporary operations, both manufacturing and services. 2. Become aware of key themes within Operations and Information Systems which they can identify with. 3. Enhance their understanding of the role played by information systems in the production of manufactured goods and service good production and delivery.

Outline Syllabus

Introduction to Operations and Technology Management
Systems thinking
Information cycle
Business Processes
Work and Job Design
Capacity planning and control
Quality management and assurance systems
New trends and challenges in Operations management and Technologies

Learning Outcomes

1	<ul style="list-style-type: none">a) examine the concepts of operations and technology management as applied in business todayb) critically evaluate the role of operations and technology in product and service design and deliveryc) clearly define the need for technology in business operations to maintain competitive advantage in the marketplace
2	<ul style="list-style-type: none">a) apply simple operational techniques in addressing operational/management related problems in a structured mannerb) evaluate multiple sources of academic and professional information to comprehend fully the applicability of the subject matter (textbooks, journal articles, media clips, online resources, etc.)
3	<ul style="list-style-type: none">a) enhance interpretative and analytical skills through tutorial sessions and formative and summative assessmentb) develop team-working and technical skills through student-led tutorial sessions and use the virtual learning environment and external links to relevant sources of supporting data

Learning, Teaching and Assessment Strategy

Formal taught sessions will be supported by online resources and specific support from sponsoring organisations as appropriate. Lectures will explore current concepts and theories applicable to both disciplines of Operations and Technology Management. These sessions will introduce students to real life situations and thinking, which will be complemented by student-led tutorial sessions some of which will be on line. Both sessions will provide students with opportunity to appreciate and use the information as applied to contemporary operational issues (Learning Outcomes 1.1, 1.2, 3.1 and 3.2). The lectures will be complemented and enhanced by multi-media sources demonstrating the applicability of the material to businesses today (Learning Outcomes 1.1, 1.2, 1.3 and 2.2). Directed study will encourage students to read a broader range of sources to deepen their understanding of the subject matter from relevant credible sources and agreed work based tasks (Learning Outcomes 2a, 2b and 3a). This will be facilitated by the directed reading list but also provision of external links and documents on the VLE site. Technical skills will be strengthened through work based tasks and regular access to the virtual learning system (Learning Outcome 3b).

Students are introduced to concepts such as Corporate and Social Responsibility and Sustainability/Reverse logistics in the course of this module so it supports the ESD agenda in both teaching and tutorial discussions

The assessment for this module is via two assignments carried out individually by students . One assessment activity will assess the students understanding and the other their ability to apply their knowledge in the work place. (Learning Outcomes 1a, 1b, 1c, 2a, 3a and 3b).

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Coursework	3000 word assignment	3000 words	100%

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>.

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.