

Module Details	
Module Title	Operations and Technology Management (In Company)
Module Code	OIM4014-B
Academic Year	2022/3
Credits	20
School	School of Management
FHEQ Level	FHEQ Level 4

Contact Hours	
Type	Hours
Lectures	10
Tutorials	15.5
Directed Study	174.5

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 2

Module Aims
<ol style="list-style-type: none"> 1. Help students appreciate the value of technology in operations to plans, decide and take actions as managers and workers of tomorrow. 2. Raise student understanding of different types and varieties of systems available for operations to exploit them for the benefit of organisations. 3. Understand how technology is acquired, and then managed in organisations. <p>The module content will also support the development of mapped Knowledge, Skills and Behaviours, as set out in the relevant apprenticeship standard, and highlighted in the syllabus below.</p>

Outline Syllabus

The module is designed to cover the following topics:
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.

The module is designed to help you achieve the following transferable skills:
Information and Communication;
Information technology;
Analytical skills;
Problem solving;
Use of systems;
Development of systems;
Improving business performance.

Specific Knowledge elements of the relevant apprenticeship standard to be supported in delivery:
E1 Approaches to innovation and digital technologies and their impact on organisations, and how their application can be used for organisational improvement and development.
E2 Innovation and digital technology's impact on data and knowledge management for analysing business decision-making.

Content will also support development of the following Skills from the relevant apprenticeship standard:
E3 Identify service/ organisational improvements and opportunities for innovation and growth, using qualitative and quantitative analysis of information and data and benchmarking against others.

Learning Outcomes

Outcome Number	Description
01	1.1 Examine the concepts of operations and technology management as applied in business today. 1.2 Critically evaluate the role of technology in processes and operations. 1.3 Clearly define the need for technology in operations to maintain competitive advantage in the marketplace.
02	2.1 Apply simple operational techniques in addressing operational/management related problems in a structured manner. 2.2 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.)
03	3.1 Enhance interpretative and analytical skills through tutorial sessions and formative and summative assessment. 3.2 Develop team-working and technical skills, through student-led tutorial sessions and use of the virtual learning environment and external links to relevant sources of supporting data.

Learning, Teaching and Assessment Strategy

In line with programme learning and teaching strategy this module adopts a blended approach to learning and involves 3 main approaches.

1. On campus, face to face teaching during a block week. This will be a mix of lectures and tutorials and will include group work within tutorials. 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 may be on line. Sessions will provide students with the 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).
2. An element of distance learning between face-to-face sessions - for this 20-credit module this will consist of 2x one-hour sessions run as assessment workshops to allow you to seek clarity on the assessment criteria, feedback on assessment progress and interact with fellow apprentices regarding the assessment.
3. Work based learning. You will be set tasks based on applying on-going learning to your work experience. Technical skills will be strengthened through work based tasks and regular access to the virtual learning system (Learning Outcome 3.2).

The above will also be supported by on-line resources and specific support from the sponsoring organisation as appropriate. During directed study you will be expected to read for further knowledge gain and complete work-based tasks and research to help develop your individual coursework and collect relevant evidence that you can apply to the skills and behaviours associated with this subject area and the standard. 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 2.1, 2.2 and 3.2). This will be facilitated by the directed reading list but also provision of external links and documents on the VLE site.

The assessment for this module is via an individual assignment. The assessment activity will assess the students understanding and their ability to apply their knowledge in the work place. (Learning Outcomes 1.1, 1.2, 1.3, 2.1, 3.1 and 3.2).

Mode of Assessment

Type	Method	Description	Weighting
Summative	Coursework - Written	Individual Coursework (4000 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.