UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title	Operations and Technology Management
Module Code	OIM4011-B
Academic Year	2023/4
Credits	20
School	School of Management
FHEQ Level	FHEQ Level 4

Contact Hours	
Type	Hours
Lectures	24
Tutorials	24
Directed Study	152

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year

Module Aims

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 in order to exploit them for the benefit of organisations.
3. Understand how technology is acquired, and then managed in organisations.

Outline Syllabus
Operations and technology use in Global Business Today; Technology, operations and Strategy; Global E-Business and Collaboration and operational focus; Ethical and Social Issues in Information Systems deployment in operations; IT Infrastructure and Emerging Technologies: A strategic analysis; Business Intelligence: Databases and Information Management in operations; Telecommunications, the Internet, and Wireless Technology; Securing Information Systems as Strategic operation Resource; Achieving Operational Excellence and Customer Intimacy: Enterprise Applications; E-Commerce: Digital Markets, Digital Goods; Managing Knowledge in improving processes and operations; Enhancing Decision Making in operations; Building and Acquiring technology and systems; Managing technology Projects; Strategic Management of Global Systems and technology.

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 blended learning, use of the virtual learning environment and external links to relevant sources of supporting data

Learning, Teaching and Assessment Strategy

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.

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. 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 online. 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). 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 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 and blended learning approaches 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 3.1). 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 3.2).

The assessment for this module is via two assignments carried out individually by students. The assessment activity will assess the students understanding and their ability to apply their knowledge in the workplace. (Learning Outcomes 1.1, 1.2, 1.3, 2.1, 3.1 and 3.2).

Mode of Assessment

Type	Method	Description	Weighting
Summative	Coursework	Assignment	50%
Summative	Coursework	Assignment	50%

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.
