

Faculty of Management, Law and Social Sciences

Programme Specification

Programme title: Master of Science in Logistics, Data Analytics and Supply Chain Management

Academic Year:	2018-19
Degree Awarding Body:	University of Bradford
Partner(s), delivery organisation or support provider (if appropriate):	
Final and interim award(s):	Master of Science [Framework for Higher Education Qualifications level 7] Postgraduate Certificate [Framework for Higher Education Qualifications level 7] Postgraduate Diploma [Framework for Higher Education Qualifications level 7]
Programme accredited by (if appropriate):	The Chartered Institute of Logistics and Transport (CILT)
Programme duration:	Full-time Options: 12 Months (September) 15 Months (January) 2 Year Part-Time
QAA Subject benchmark statement(s):	QAA Master's degree in Business and Management (June 2015)
Date of Senate Approval:	June 2018
Date last confirmed and/or minor modification approved by Faculty Board	June 2018

Introduction

In accordance with the University's mission 'Making Knowledge Work', the School of Management aims to provide programmes that educate the student as a manager and business specialist, and thus improve the quality of management as a profession.

This programme is designed to provide the student with a thorough grounding in the multiple disciplines of logistics, data analytics and supply chain management, underpinned by the main concepts and theories. The programme contains an international dimension. The aim is to produce fully rounded managers with an emphasis on logistics, data analytics and supply chain management by combining

theory and practice with a detailed treatment of other subjects concerned with the management of organisations.

The programme is commensurate with the UK QAA Benchmark Master's Degree in Business and Management and is suitable for students from a wide range of backgrounds with first degrees in any subject from an approved university, or an acceptable professional qualification. Structured in three distinct stages (see below for further details) the programme represents 1800 hours of study or 180 UK credits, necessary for the award of a Master's degree.

On graduation from this programme the student will be able to contribute to business and society as a whole whilst applying the highest professional standards and will be capable of identifying their own professional development requirements. Equipped with the skills, knowledge and critical faculties required to operate and thrive in the contemporary business environment and be ideally placed to pursue a management career in a wide range of business and commerce environments.

Programme Aims

The programme is intended to:

- Develop management professionals with a sound theoretical understanding of organisational activities and the complexities that arise in the management of these as a consequence of the interrelationships that exist between them.
- Develop competence in a range of analytical and personal skills necessary to enable the student to make an effective and immediate contribution to the performance of an organisation in a range of functional areas.
- Develop a critical awareness of the current issues affecting the discipline and the knowledge, skills and expertise to assist organisations in achieving a sustainable business future.
- Help those with knowledge and expertise in other disciplines to make the transition to the business and management world and assist them in developing their existing skills and knowledge within the business and management context.
- Provide the knowledge and skills to assist the student to take an active role in their future development as professional managers in a dynamic and changing global environment and to contribute effectively to their chosen profession.

Programme Learning Outcomes

To be eligible for the award of Postgraduate Certificate at FHEQ level 7, students will be able to:

- LO1 Explain and critically apply theories on emerging logistics, data analytics and supply chain management issues, supply chain analytics and technology management, procurement and quality management systems.
- LO2 Integrate theories on managing supply chain operations and organisations (stemming from logistics and supply chain management frameworks) within the changing context of global business management
- LO3 Understand how logistics, data analytics and supply chain management are interrelated to contemporary societal challenges.

Additionally, to be eligible for the award of Postgraduate Diploma at FHEQ level 7, students will be able to:

- LO4 Differentiate between the different approaches to organisation, management, creating business knowledge and the allocation of resources that influence logistics, supply chain management strategies for a range of companies including multinational enterprises.
- LO5 Evaluate the business efficiency and effectiveness of logistics, data analytics and supply chain issues that managers face in organisations notwithstanding the need to cope constructively with societal challenges and global uncertainty.
- LO6 Exhibit the capacity to think critically, creatively and comparatively about responsible management behaviours and sustainable organisational processes in relation to logistics and supply chain management.
- LO7 Apply appropriate concepts towards the examination of empirical logistics and supply chain management issues leading to well-considered and plausible conclusions.
- LO8 Plan and execute a range of assignments, including essays, reports, presentations and reflective pieces, in which style, scope and depth are appropriate to task, purpose, and audience.

Additionally, to be eligible for the award of Degree of Master at FHEQ level 7, students will be able to:

- LO9 Demonstrate initiative and independence in systematic academic inquiry, using relevant techniques and technologies to gather, evaluate and manage evidence, data and information from valid, appropriate sources.
- LO10 Exhibit data analytics, research and enquiry skills using library-based and online data sets, corporate sources and reports and produce an original, substantial and complex project (with appropriate ethical approval) within a specified timeframe.
- LO11 Exhibit concise, pertinent and well-structured written communications, using IT media and applications (as appropriate) to support the preparation and presentation of findings.
- LO12 Recognise and be able to reflect critically one's own positionality, values and epistemological orientation in one's own academic work.

Curriculum

The Master's degree in Logistics, Data Analytics and Supply Chain Management is built on a foundation of general Logistics, Supply Chain Management and Business Data Analytic modules. Students will take five compulsory 20 credit taught modules:

1. Emerging Issues in Logistics and Supply Chain Management,
2. Business Data Analytics,
3. Supply Chain Analytics and Technology Management,
4. Procurement Fundamentals and Quality Systems,
5. Business and Research in Practice.

Through modules one and two, students will gain a grounding in the theories and practices of the core logistics and supply chain functions and role of data analytics for a modern business/organisation.

The third and fourth modules will give a more in-depth knowledge surrounding supply chain management and the specific data analytics applications. Module five, Business and Research in Practice module will focus students on how to develop business life skills and to conceptualise, brainstorm, plan and conduct real like business issues through relevant research methods to assist the final dissertation.

Two 10 credit modules will be taken from the School's range of optional management modules. This feature of the programme is intended to provide the opportunity to narrow the students focus and specialise in an area of particular interest or to expand it to encompass the widest possible range of management and business topics.

The final stage is a personal research project assessed by dissertation, which is an extended piece of written work involving an original and in-depth investigation of a specific management issue. Examples of recent dissertations covered: Zero emission – Is it 'e'-mission impossible for the Light Commercial Fleet Operator?; Benefits And Opportunities Of Environment Friendly Plastic Packaging For Food Manufacturers And Environment; An achievement of the notion of green cars for achieving sustainability in the UK public transport.

Postgraduate Certificate

FHEQ Level	Module Title	Core/ Option/ Elective	Credits	Study Period	Module Code
7	Emerging Issues in Logistics and Supply Chain Management	Core	20	1	OIM7034-B
7	Business Data Analytics	Core	20	1	OIM7032-B
7	Operations Management	Option	10	1	OIM7023-A
7	International Business Environment	Option	10	1	SIB7009-A
7	Marketing, Planning and Strategy	Option	10	1	MAR7007-A
7	Accounting and Finance	Option	10	1	AFE7014-A
7	Business Economics	Option	10	1	AFE7011-A
7	Human Resource Management	Option	10	1	HRM7007-A
7	International Master's Summer school	Option	10	3	MAL7004-A
Plus TWO additional modules from the Optional module list					

Students will be eligible to exit with the award of Postgraduate Certificate if they have successfully completed 60 credits and achieved the award learning outcomes.

Postgraduate Diploma

FHEQ Level	Module Title	Core/ Option/ Elective	Credits	Study Period	Module Code
7	Supply Chain Analytics and Technology Management	Core	20	Sem 2	OIM7036-B
7	Procurement Fundamentals and Quality Systems	Core	20	Sem 2	OIM7035-B
7	Business and Research in Practice	Core	20	Sem 2	OIM7033-B

Students will be eligible to exit with the award of Postgraduate Diploma if they have successfully completed at least 120 credits and achieved the award learning outcomes.

Degree of Master

FHEQ Level	Module Title	Core/ Option/ Elective	Credits	Study Period	Module Code
7	Dissertation	Core	60	ACYR	MAL7012- E

Students will be eligible for the award of Degree of Master if they have successfully completed at least 180 credits and achieved the award learning outcomes.

The curriculum may change, subject to the University's programme approval, monitoring and review procedures.

Learning and Teaching Strategy

Teaching on the programme will be directed, supported and reinforced through a combination of formal lectures, staff/student led group discussions, personal research and guided self-study, tutorials, seminars and directed reading. These activities will all be further supported by the use of a virtual learning environment. Generally, the programme will aim to integrate applied and theoretical knowledge with assessment processes that test both knowledge of the discipline and understanding of its application and limitations. To facilitate learning, lectures and seminars will typically utilise case studies and simulations. Sessions may be delivered weekly or in blocks. Small Group sessions will use case studies and simulations with oral feedback given in class. Students will be guided to suitable primary and secondary data sources and be required to conduct research and presentation exercises. Resources to support the teaching and learning activity will be provided on the University's virtual learning environment.

Assessment Strategy

The programme is formatively and summatively assessed by a mixture of written examinations, assessed coursework, case studies, group projects and [multimedia] presentations. Assessment is integrated with learning and teaching to support and demonstrate achievement of the learning outcomes for individual modules and the programme as a whole. Emphasis is placed on the feedback function of formative assessment as part of the learning, teaching and assessment strategy as a whole.

Learning outcomes 1, 2 and 3 are focused on knowledge. They are assessed by a mixture of closed book examinations and individual pieces of coursework and group work, including [multimedia] presentations.

Learning outcomes 4, 5, 6, 7 and 8 are focused on subject specific skills aimed to equip the student with the practical ability to directly contribute to a logistics and supply chain management role. They are assessed by a mixture of closed book examinations and individual pieces of coursework and group work, including [multimedia] presentations.

Learning Outcomes 9, 10, 11 and 12 are focused on the transferable skills that are so important to employability, such as communication, practical creativity and self-awareness. They are assessed by a mixture of individual coursework, group coursework, individual and group presentations (including multi-media), examination and individual coursework.

The dissertation is a capstone module assessing all learning outcomes.

Assessment Regulations

This Programme conforms to the standard University Assessment Regulations which are available at the link below

<http://www.bradford.ac.uk/aqpo/ordinances-and-regulations/>

However, there is one waiver exception to these regulations as listed below:

On completion of the taught element of the programme and at the Interim Exam Board, a student who has 50 credits or more requiring supplementary assessment will not be permitted to proceed to the dissertation stage of the programme. The decision to allow progression will only be reconsidered at the Supplementary Exam Board.

Admission Requirements

The University welcomes applications from all potential students and most important in the decision to offer a place is our assessment of a candidate's potential to benefit from their studies and of their ability to succeed on this particular programme. Consideration of applications will be based on a combination of formal academic qualifications and other relevant experience.

The standard entry requirements for the programme are as follows:

Candidates for the MSc in Logistics, Data Analytics and Supply Chain Management will normally have a 2:2 degree or its equivalent in any discipline from an approved higher education institution. Equivalent professional qualifications will also be eligible if supported with appropriate practical experience.

As the programme is delivered entirely in English, applicants must be able to demonstrate proficiency in the English language thus, UK educated students must have a GCSE grade 4 (C) or above. Non-native speakers must have a 6.5 score on IELTS test of English or 94 in the internet-based TOEFL - exceptionally, holders of a UK degree awarded within 2 years prior to entry to the Bradford programme may be exempt from these English test requirements.

Applications are welcome from students with non-standard qualifications or mature students (those over 21 years of age on entry) with significant relevant experience.

Recognition of Prior Learning

If applicants have prior certificated learning or professional experience which may be equivalent to parts of this programme, the University has procedures to evaluate and recognise this learning in order to provide applicants with exemptions from specified modules or parts of the programme.

Minor Modification Schedule

Version Number	Brief description of Modification	Date of Approval (Faculty Board)
1		