Module Descriptor

Title	Supply Chain Analytics		
Session	2026/27	**Status**	Approved
Code	BUSN11154	**SCQF Level**	11
Credit Points	20	**ECTS (European Credit Transfer Scheme)**	10
School	**Business and Creative Industries**		
Module Co-ordinator	SALMAN AHMAD		
Summary of Module Supply chains typically generate massive amount of data. In this module, students will learn how to make sense of this data by utilising various presentation forms with an aim of generating insights for the decision-makers. The module will develop an understanding of analytics and its application in Logistics & Supply chain management They will develop the knowledge and skills in various approaches/types of analytics. Finally, students will learn to communicate analytics at various levels of management. .			

Module Delivery Method	**On-Campus[1]** ☒	**Hybrid[2]** ☒	**Online[3]** ☐	**Work -Based Learning[4]** ☐
Campuses for Module Delivery	☐ Ayr ☐ Dumfries	☒ Lanarkshire ☐ London ☒ Paisley X	☐ Online / Distance Learning ☐ Other (specify)	

Terms for Module Delivery	Term 1	X☒	Term 2	X☒	Term 3	X☒
Long-thin Delivery over more than one Term	Term 1 – Term 2	☐	Term 2 – Term 3	☐	Term 3 – Term 1	☐

[1] Where contact hours are synchronous/ live and take place fully on campus. Campus-based learning is focused on providing an interactive learning experience supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus contact hours will be clearly articulated to students.

[2] The module includes a combination of synchronous/ live on-campus and online learning events. These will be supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus and online contact hours will be clearly articulated to students.

[3] Where all learning is solely delivered by web-based or internet-based technologies and the participants can engage in all learning activities through these means. All required contact hours will be clearly articulated to students.

[4] Learning activities where the main location for the learning experience is in the workplace. All required contact hours, whether online or on campus, will be clearly articulated to students

Learning Outcomes	
L1	Develop a critical understanding of the principal theories, concepts and principles of data analytics within the context of Logistics & Supply chain management
L2	Develop a critical understanding of the principal theories, concepts and principles of data analytics within the context of Logistics & Supply chain management
L3	Develop a critical understanding of the principal theories, concepts and principles of data analytics within the context of Logistics & Supply chain management
L4	
L5	

Employability Skills and Personal Development Planning (PDP) Skills	
SCQF Headings	**During completion of this module, there will be an opportunity to achieve core skills in:**
Knowledge and Understanding (K and U)	**SCQF 11** Demonstrating a broad and integrated knowledge and critical understanding of analytics in Logistics & Supply chain management functions and processes. The development of a critical understanding of the key tools of analysis used for decision-making in the area
Practice: Applied Knowledge and Understanding	**SCQF 11** Applying knowledge, skills and understanding on a wide range of analytical practices, tools, and techniques to deal with contemporary logistics and supply chain management challenges. Apply a range of techniques of enquiry and research. Executing a defined project of research or investigation and identifying relevant outcomes using analytical tools.
Generic Cognitive skills	**SCQF 11** Applying critical analysis, evaluation and synthesis on a given supply chain challenging situation. Critically reviewing and making informed judgements when information is inconsistent or incomplete Develop consultative approach on each core areas of supply chain decisions.
Communication, ICT and Numeracy Skills	**SCQF 11** Presenting decisions on the appropriate use of analytical techniques and processes to a range of audiences with different level of knowledge/expertise. Undertake a critical evaluation of a wide range of numerical and graphical data in the logistics and supply chain management domain.
Autonomy, Accountability and Working with Others	**SCQF 11** Exercising substantial autonomy and initiative in studies. Working with others in a team context and accepting accountability for the decisions of the collective group

	Using realistic business scenarios to work independently and/or in group settings to identify appropriate data sources, tools and methods to domains of Logistics and Supply chain management to generate insights

Prerequisites	**Module Code** NA	**Module Title**
	Other	
Co-requisites	**Module Code**	**Module Title**

Learning and Teaching	
In line with current learning and teaching principles, a 20-credit module includes 200 learning hours, normally including a minimum of 36 contact hours and maximum of 48 contact hours. The delivery strategy will focus on adopting a student-centric and directed learning approach. This methodology will provide the foundation on which the students learning will be built through the face-to-face workshops. The workshops will have no more than 40 students and no more than 20 in a laboratory work. Prior to attending these workshops sessions, students will engage in preparatory work, setting the stage for in-depth exploration and contextualization within various scenarios. The workshops will be enquiry based with structure and unstructured activities. The students will be expected to take responsibility for their direction of learning.	
Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	**Student Learning Hours** (Note: Learning hours include both contact hours and hours spent on other learning activities)
Laboratory / Practical Demonstration / Workshop	36
Asynchronous Class Activity	18
Independent Study	146
Please select	
Please select	
Please select	
TOTAL	200

Indicative Resources
The following materials form essential underpinning for the module content and ultimately for the learning outcomes: Hillier, F.S., & Hillier, M.S., (2019) Introduction to Management Science: A Modeling and Case Studies Approach with Spreadsheets, 6th edn, Lonon: Mc Graw Hill Watson, M., & Nelson, D. (2014). Managerial Analytics: An Applied Guide to Principles, Methods, Tools, and Best Practices. Pearson
(N.B. Although reading lists should include current publications, students are advised (particularly for material marked with an asterisk*) to wait until the start of session for confirmation of the most up-to-date material)

Attendance and Engagement Requirements
In line with the Student Attendance and Engagement Procedure, Students are academically engaged if they are regularly attending and participating in timetabled on-campus and online teaching sessions, asynchronous online learning activities, course-related learning resources, and complete assessments and submit these on time. **For the purposes of this module, academic engagement equates to the following:** The delivery strategy will focus on online information dissemination and adopting a student-centric and directed learning approach. This methodology will provide the foundation on which the students learning will be built through the face-to-face workshops. The workshops will have no more than 40 students. Prior to attending these workshops sessions, students will engage in preparatory work, setting the stage for in-depth exploration and contextualization within various scenarios. The workshops will be enquiry based with structure and unstructured activities. The students will be expected to take responsibility for their direction of learning. For the purposes of this module, students should also reference the 'BCI Guidance on Implementation of the Revised Student Attendance and Engagement Procedure' which details the School attendance and engagement requirements and how this will be monitored for attendance.

Equality and Diversity
The University's Equality, Diversity and Human Rights Procedure can be accessed at the following link: UWS Equality, Diversity and Human Rights Code. The subject area and teaching / delivery approach supports the principles of EDI. To meet the diverse needs of our student body, we are dedicated to adapting learning experiences where required. This personalised approach and innovative use of technology ensures that all students can succeed, regardless of their background or circumstances. To meet the diverse needs of our student body, we are dedicated to adapting learning experiences where required. This personalised one-to-one approach ensures that all students can succeed, regardless of their background or circumstances. By embracing and promoting these principles, we aim to cultivate a learning community where everyone feels valued, supported, and empowered to achieve their full potential. The learning experience and environment is intended to be flexible and student-centred, aiming to deliver an interactive learning experience. The subject area and teaching / delivery approach supports the principles of EDI. To meet the diverse needs of our student body, we are dedicated to adapting learning experiences where required, providing flexibility and access. For example, the team use AI to provide 24/7 support.
(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)

Supplemental Information

Divisional Programme Board	**Marketing, Innovation, Tourism Events**
Overall Assessment Results	☐ **Graded**
Module Eligible for Compensation	☐ **No** **If this module is eligible for compensation, there may be cases where compensation is not permitted due to programme accreditation requirements. Please check the associated programme specification for details.**
School Assessment Board	MITE

Moderator	TBC
External Examiner	Andrew Thorn
Accreditation Details	
Module Appears in CPD catalogue	☒ **Yes** ☐ **No**
Changes / Version Number	

Assessment (also refer to Assessment Outcomes Grids below)
Assessment 1
Portfolio of written work **100%**
Assessment 2
Assessment 3
(N.B. (i) Assessment Outcomes Grids for the module (one for each component) can be found below which clearly demonstrate how the learning outcomes of the module will be assessed. (ii) An indicative schedule listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Module Handbook.)

Component 1							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Portfolio of written work	☒	☒	☒	☐	☐	100	

Component 2							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
	☐	☐	☐	☐	☐		

Component 3							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
	☐	☐	☐	☐	☐		
Combined total for all components						100%	hours

Change Control

What	**When**	**Who**
