Module Descriptor

Title	Statistics for Business with Finance		
Session	2026/27	**Status**	**Approved**
Code	ACCT09020	**SCQF Level**	SCQF 9
Credit Points	20	**ECTS (European Credit Transfer Scheme)**	10
School	**Business & Creative Industries**		
Module Co-ordinator	**Michael Guo**		

Summary of Module

The 'Business Statistics' module is designed to provide students with a solid foundation in statistical techniques applied to real-world business data. Aiming to enhance students' analytical skills, the module covers core areas including descriptive statistics, probability, hypothesis testing, correlation analysis, and ratio analysis. Through these topics, students learn to interpret data and make informed, data-driven decisions relevant to business and finance.

Assessment is conducted through a digital portfolio, which includes online video submissions documenting the analysis process in Excel, complemented by personal commentary and reflections. This portfolio approach allows students to practically demonstrate their proficiency in handling business data, applying statistical methods, and critically reflecting on their approach. As a tangible showcase of their skills, the portfolio serves as a valuable resource for job applications, providing potential employers with evidence of the student's capability in data handling, statistical analysis, and problem solving.

Module Delivery Method	**On-Campus[1]**	**Hybrid[2]**	**Online[3]**	**Work -Based Learning[4]**
	☒	☐	☐	☐

[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

Campuses for Module Delivery	☐ Ayr ☐ Dumfries		☐ Lanarkshire ☐ London ☒ Paisley		☐ Online / Distance Learning ☐ Other (specify)	
Terms for Module Delivery	Term 1	☐	Term 2	☒	Term 3	☐
Long-thin Delivery over more than one Term	Term 1 – Term 2	☐	Term 2 – Term 3	☐	Term 3 – Term 1	☐

Learning Outcomes	
L1	Demonstrate understanding of descriptive statistics and apply them to business data.
L2	Apply probability theories to solve business-related problems.
L3	Conduct hypothesis testing and interpret the results in business contexts.
L4	Analyse relationships between variables using correlation methods.
L5	Perform ratio analysis to evaluate business and financial performance.

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 9 Develop a strong foundation in statistical theories, essential for interpreting business data accurately. Understand the application of key statistical methods, such as probability and hypothesis testing, in real-world business scenarios. Explore the impact of statistical results on strategic business decision making and operational performance.
Practice: Applied Knowledge and Understanding	SCQF 9 Gain hands-on experience in data analysis using industry-standard tools such as Excel. Apply statistical methods to analyse data from diverse business cases, enhancing practical understanding. Use online datasets (e.g., Kaggle) to practice analysing real-world date.
Generic Cognitive skills	SCQF 9 Develop analytical skills to identify patterns, correlations, and outliers in business data. Enhance problem-solving skills by applying statistical techniques to business questions.
Communication, ICT and Numeracy Skills	SCQF 9 Strengthen ICT proficiency through the use of digital tools for data analysis, screen recording, and portfolio creation.

	Develop numeracy skills by calculating, interpreting, and presenting data, aiding in business analyses.
Autonomy, Accountability and Working with Others	SCQF 9 Cultivate independent learning by managing personal research and analysis tasks for the digital portfolio. Encourage accountability through self-led data analysis projects, where students are responsible for their outcomes. Build teamwork skills in class activities, enabling students to collaborate on data analysis and share insights effectively.

Prerequisites	**Module Code**	**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.	
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)
Lecture / Core Content Delivery	24
Tutorial / Synchronous Support Activity	12
Independent Study	164
Choose an item.	
Choose an item.	
Choose an item.	
TOTAL	200

Indicative Resources
The following materials form essential underpinning for the module content and ultimately for the learning outcomes: Curwin J., Slater R, Eadson, D. (current ed) Quantitative Methods for Business Decisions, Cengage Learning
(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 attending and participating in all timetabled programme activities including on-campus and online teaching sessions, asynchronous online learning activities, placement, work-based elements, course-related learning resources, and complete assessments and submit these on time. **For the purposes of this module, academic engagement equates to the following:** Attending timetabled teaching sessions and accessing course-related learning resources.

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.
(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	**Accounting Finance & Law**
Overall Assessment Results	☐ **Pass / Fail** ☒ **Graded**
Module Eligible for Compensation	☒ **Yes** ☐ **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	Accounting, Finance & Law
Moderator	N Kolade
External Examiner	G Elgin
Accreditation Details	**N/A**
Module Appears in CPD catalogue	☐ **Yes** ☒ **No**
Changes / Version Number	**2**

Assessment (also refer to Assessment Outcomes Grids below)
Assessment 1
Digital Portfolio (100%): Online Video Submission and Excel Workbooks The assessment for this module employs a digital portfolio approach, where students submit online videos documenting their process of statistical analysis in Excel, including personal commentary and reflections on their methods and findings. This portfolio also includes Excel workbooks showcasing analysis, calculations, and graphical presentations of data. The portfolio is structured around the learning outcomes of the module, covering key areas such as descriptive statistics, probability, hypothesis testing, correlation analysis, and ratio analysis. The digital portfolio serves as a practical demonstration of students' analytical skills, offering a valuable asset for job applications. It provides potential employers with tangible evidence of the student's proficiency in data handling, statistical analysis, and reflective learning.

Assessment 2
N/A
Assessment 3
N/A
(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**
Digital Portfolio	☒	☒	☒	☒	☒	100	N/A

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**