

University of the West of Scotland

Module Descriptor

Session:

Title of Module: Data Analysis			
Code: ACCT07007	SCQF Level: 7 (Scottish Credit and Qualifications Framework)	Credit Points: 20	ECTS: 10 (European Credit Transfer Scheme)
School:	School of Business & Creative Industries		
Module Co-ordinator:	Dr Michael Guo		
Summary of Module			
This module aims to demonstrate the application of basic mathematical concepts within an accounting context. The module will equip students with the ability to use probability in addressing risk and uncertainty. Students will learn how to collect and analyse data including descriptive statistics, how to calculate and interpret correlations, and how to apply simple regression analysis techniques. Also, students will acquire techniques used for indexing and basic financial modelling.			

Module Delivery Method					
Face-To-Face	Blended	Fully Online	HybridC	Hybrid 0	Work-Based Learning
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
See Guidance Note for details.					

Campus(es) for Module Delivery						
The module will normally be offered on the following campuses / or by Distance/Online Learning: (Provided viable student numbers permit) (tick as appropriate)						
Paisley:	Ayr:	Dumfries:	Lanarkshire:	London:	Distance/Online Learning:	Other:
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Add name

Term(s) for Module Delivery
(Provided viable student numbers permit).

Term 1	<input type="checkbox"/>	Term 2	<input checked="" type="checkbox"/>	Term 3	<input type="checkbox"/>
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Learning Outcomes: (maximum of 5 statements)

These should take cognisance of the SCQF level descriptors and be at the appropriate level for the module.

At the end of this module the student will be able to:

L1	Understand the use of basic mathematical concepts within organisations
L2	Apply the principles of probability where risk and uncertainty exist
L3	Apply mathematical techniques in collecting and analysing data including use of descriptive statistics, correlations, and simple regression analysis
L4	Demonstrate the techniques for indexing and basic financial modelling
L5	Click or tap here to enter text.

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)	<p>SCQF Level 7</p> <p>Understand the use of brackets and powers; understanding the use and limitations of probabilities and expected values in decision making, as well as the concepts of risk and uncertainty; explaining and identifying the differences and main characteristics of data and information and demonstrating an understanding of how and why indices are used; Understanding the concepts of indices and financial models.</p>
Practice: Applied Knowledge and Understanding	<p>SCQF Level 7</p> <p>Solving simple equations and accurately calculate percentages and proportions and prepare simple linear graphs; calculating probabilities and expected values and apply them to given scenarios; applying Pareto Analysis to organisational problems; calculating seasonal factors and predicting values for time series</p>
Generic Cognitive skills	<p>SCQF Level 7</p> <p>Appreciating the application of mathematical techniques within decision making; evaluating data and information</p>
Communication, ICT and Numeracy Skills	<p>SCQF Level 7</p> <p>Understanding, selecting, and applying basic arithmetic, statistical and mathematical techniques; communicating results; using VLE;</p>
Autonomy, Accountability and Working with others	<p>SCQF Level 7</p> <p>Carrying out independent research; working effectively with others in study groups</p>
Pre-requisites:	Before undertaking this module the student should have undertaken the following:

	Module Code:	Module Title:
	Other:	
Co-requisites	Module Code:	Module Title:

*Indicates that module descriptor is not published.

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 (Normally totalling 200 hours): (Note: Learning hours include both contact hours and hours spent on other learning activities)
Lecture/Core Content Delivery	24
Tutorial/Synchronous Support Activity	24
Independent Study	152
Choose an item.	
Choose an item.	
Choose an item.	
Choose an item.	
Choose an item.	
Choose an item.	
	Hours Total 200
**Indicative Resources: (eg. Core text, journals, internet access)	

The following materials form essential underpinning for the module content and ultimately for the learning outcomes:

Recommended Text

Curwin J., Slater R, Eadson, D. (current ed) Quantitative Methods for Business Decisions, Cengage Learning

Click or tap here to enter text.

Click or tap here to enter text.

Please ensure the list is kept short and current. Essential resources should be included, broader resources should be kept for module handbooks / Aula VLE.

Resources should be listed in Right Harvard referencing style or agreed professional body deviation and in alphabetical order.

(*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:

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](#).

Please ensure any specific requirements are detailed in this section. Module Co-ordinators should consider the accessibility of their module for groups with protected characteristics..

(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 and Law
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Assessment Results (Pass/Fail)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
School Assessment Board	Accounting, Finance & Law
Moderator	Mohammed Sahadat Hossain
External Examiner	Samar Gad
Accreditation Details	This module contributes to the exemptions from various professional examinations attributable to the Bachelor of Accounting programme. Contact School for current details.
Changes/Version Number	2.10

Assessment: (also refer to Assessment Outcomes Grids below)
<p>This section should make transparent what assessment categories form part of this module (stating what % contributes to the final mark). Maximum of 3 main assessment categories can be identified (which may comprise smaller elements of assessment). NB: The 30% aggregate regulation (Reg. 3.9) (40% for PG) for each main category must be taken into account. When using PSMD, if all assessments are recorded in the one box, only one assessment grid will show and the 30% (40% at PG) aggregate regulation will not stand. For the aggregate regulation to stand, each component of assessment must be captured in a separate box. Please provide brief information about the overall approach to assessment that is taken within the module. In order to be flexible with assessment delivery, be brief, but do state assessment type (e.g. written assignment rather than “essay” / presentation, etc) and keep the detail for the module handbook. Click or tap here to enter text.</p>
Assessment 1 – Class Test 30%
Assessment 2 – Final Examination 70%
<p>(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.)</p>

Assessment Outcome Grids (See Guidance Note)

Component 1							
Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Class Test	✓	✓	✓	✓		30	1

Component 2							
Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Final Examination	✓	✓	✓	✓		70	2

Change Control:

What	When	Who
Further guidance on aggregate regulation and application when completing template	16/01/2020	H McLean
Updated contact hours	14/09/21	H McLean
Updated Student Attendance and Engagement Procedure	19/10/2023	C Winter
Updated UWS Equality, Diversity and Human Rights Code	19/10/2023	C Winter
Guidance Note 23-24 provided	12/12/23	D Taylor
General housekeeping to text across sections.	12/12/23	D Taylor

Version Number: MD Template 1 (2023-24)