Module Descriptor

Title	Digital Finance		
Session	2025/26	Status	Published
Code	COMP11110	SCQF Level	11
Credit Points	20	ECTS (European Credit Transfer Scheme)	10
School	Computing, Engineering and Physical Sciences		
Module Co-ordinator	Jas Semrl		

Summary of Module

This module explores the role of finance in organisations including planning and control, and financial reporting. You will learn how data is used in finance and other organisational functions and you will be introduced to a range of digital technologies that are relevant to finance and business professionals. Examples of relevant digital technologies in recent years include:

- Artificial Intelligence
- Big data opportunities
- Machine learning
- Data analytics
- Blockchain
- Cryptocurrencies
- Neural networks

Using case studies, articles, research and other materials, students will also learn about the ethical, social and organizational issues in relation to the use of technology. This module will work to develop a number of the key 'I am UWS' Graduate Attributes to make those who complete this module:

Universal
- Critical Thinker
- Ethically-minded
- Research-minded

Work Ready
- Problem-Solver
- Effective Communicator
- Ambitious

Successful
- Autonomous
- Resilient
- Driven

Module Delivery Method	On-Campus[1] ☒	Hybrid[2] ☐	Online[3] ☐	Work -Based Learning[4] ☐
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	Critically evaluate the role of finance in organisations
L2	Critically discuss how the finance function uses digital technologies
L3	Critically examine how data is used in finance and other functions in organisations
L4	Understand the ethical, social and organisational considerations of technology use
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 In-depth knowledge of digital technologies and their relevance to finance
Practice: Applied Knowledge and Understanding	SCQF 11 Preparation of an academic essay on the allocated topic
Generic Cognitive skills	SCQF 11 Reasoning, analysing. Draw on a range of sources in making judgments.
Communication, ICT and Numeracy Skills	SCQF 11 Written coursework and exam - explaining complex concepts simply

[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

Autonomy, Accountability and Working with Others	SCQF 11 Working autonomously and effectively in areas involving complex professional issues where independence and clarity of thought are required

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.

This module is designed to introduce you to the extant literature on some contemporary technologies and their related issues affecting accounting and finance. Assessment of the module is based on an individual essay and an exam. The essay requires you to read widely around a particular topic. The final exam will cover all the topics. Support for this module is provided via UWS's virtual learning environment, which holds module handbook, lecture slides, and journal articles.

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
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:

Managing Finance in a Digital World (1 Aug. 2019) Kaplan Publishing*

Big Data and Artificial Intelligence in Digital Finance (2022) Springer Nature*

(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 School of Computing, Engineering and Physical Sciences considers attendance and engagement to mean a commitment to attending, and engaging in, timetabled sessions. You will scan your attendance via the scanners each time you are on-campus and you will login to the VLE several times per week. Where you are unable to attend a timetabled learning session due to illness or other circumstance, you should notify the Programme Leader that you cannot attend. Across the School an 80% attendance threshold is set. If you fall below this, you will be referred to the Student Success Team to see how we can best support your studies.

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.](#) Aligned with the University's commitment to equality and diversity, this module supports equality of opportunity for students from all backgrounds and learning needs. Using the VLE, material will be presented electronically in formats that allow flexible access and manipulation of content. This module complies with University regulations and guidance on inclusive learning and teaching practice. This module has lab-based teaching and as such you are advised to speak to the Module Co-ordinator to ensure that specialist assistive equipment, support provision and adjustment to assessment practice can be put in place, in accordance with the University's policies and regulations.
(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	Computing
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	Business & Applied Computing
Moderator	Graeme A. McRobbie
External Examiner	TBC
Accreditation Details	
Module Appears in CPD catalogue	☐ **Yes** ☒ **No**
Changes / Version Number	1.0

Assessment (also refer to Assessment Outcomes Grids below)
Assessment 1

Individual essay worth 40% of the final mark
Assessment 2
Group project worth 60% of the final mark
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**
Class Test (written)	☒	☒	☒	☐	☐	40	0

Component 2							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Dissertation/Project Report/Thesis	☒	☒	☒	☒	☐	60	0

Component 3							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
	☐	☐	☐	☐	☐		
Combined total for all components						100%	0 hours

Change Control

What	When	Who
Update to Attendance and Engagement and EDI	02/04/2025	A Adamson