Module Descriptor

Title	Financial Technology in Investment Management		
Session	2025/26	**Status**	Existing
Code		**SCQF Level**	10
Credit Points	20	**ECTS (European Credit Transfer Scheme)**	10
School	**School of Business and Creative Industries**		
Module Co-ordinator	M. Guo		

Summary of Module

The Financial Technology in Investment Management module introduces students to the role of technology within the investment management industry. It covers key topics including fintech innovations, regulatory frameworks, core digital processes, and the impact of emerging tools like artificial intelligence on investment strategies and decision-making. Students will develop a deep understanding of how these technologies enhance operational efficiencies, improving client engagement, and supporting risk management in the financial sector.

The module employs a digital portfolio assessment strategy, where students demonstrate their understanding through a structured portfolio of video presentations and reflective commentaries. The portfolio allows students to critically evaluate and apply technological concepts in investment management. The portfolio also serves as an asset for job hunting, showcasing skills and insights that are directly applicable to real-world financial environments.

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)

[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

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 technology in investment management.
L2	Analyse regulatory frameworks governing technology in investment management.
L3	Apply and critically assess core technological processes in investment management.
L4	Assess the impact of emerging fintech innovations on investment management operations and strategy.

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)	In-depth knowledge of technological innovations in investment management. Comprehensive understanding of regulatory issues related to financial technology, such as GDPR, data privacy, and compliance. • Critical insights into the role of technology in enhancing operational efficiency, optimising client interactions, and managing risks within investment contexts.
Practice: Applied Knowledge and Understanding	Applying technology frameworks in investment management scenarios. • Optimising workflows through effective technology use.
Generic Cognitive skills	Assessing the strengths, limitations, and potential risks of technology-driven tools within investment management. Evaluating complex regulatory, ethical, and technical challenges associated with implementing technological solutions in financial contexts.
Communication, ICT and Numeracy Skills	Articulating technological concepts in clear, accessible language. Implementing best practices relevant to data security and privacy in investment management.
Autonomy, Accountability and Working with Others	Proactively staying updated on technological advancements and emerging trends in financial technology. Demonstrating effective collaboration and leadership skills in class activities.

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)
Lab sessions	24
Online clinics	12
Independent Study	164
TOTAL	200

Indicative Resources
The following materials form essential underpinning for the module content and ultimately for the learning outcomes: Technology in Investment Management Study Materials, Chartered Institute for Securities & Investment (latest edition)
(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 via VLE. 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. In line with current legislation (Equality Act, 2010) and the UWS Equality, Diversity, and Human Rights Code, our modules are accessible and inclusive, with reasonable adjustment

for different needs where appropriate. Module materials comply with University guidance on inclusive learning and teaching, and specialist assistive equipment, support provision and adjustment to assessment practice will be made in accordance with UWS policy and regulations. Where modules require practical and/or laboratory based learning or assessment required to meet accrediting body requirements the University will make reasonable adjustment such as adjustable height benches or assistance of a ‘buddy’ or helper.
(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	**AFL**
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 and Law
Moderator	TBC
External Examiner	TBC
Accreditation Details	
Module Appears in CPD catalogue	☐ **Yes** ☒ **No**
Changes / Version Number	

Assessment (also refer to Assessment Outcomes Grids below)
Assessment 1
This module employs a digital portfolio assessment approach, enabling students to showcase their understanding of technological applications in investment management. The portfolio is structured around the module’s learning outcomes and includes video presentations and reflective commentaries. This format encourages students to engage deeply with the content, critically evaluating technological concepts, regulatory considerations, and emerging innovations. The portfolio could be an asset in job hunting, providing evidence of relevant skills and insights that can be shared with potential employers within the financial sector.
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**
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**