UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title	Fundamentals of Financial Technology, Blockchain and Value Creation (Distance Learning)
Module Code	AFE7521-B
Academic Year	2021/2
Credits	20
School	School of Management
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Online Lecture (Synchronous)	10
Online Lecture (Asynchronous)	14
Online Tutorials (Synchronous)	12

Availability	
Occurrence	Location / Period
DLA	University of Bradford / Semester 1

Module Aims

The module aims to introduce students to the current developments in FinTech and its impact on investors, the financial services industry, markets and the global economy. It explores the on-going developments, issues, and debates and pinpoints the importance of FinTech and related concepts for different stakeholders. At the successful completion of this module students should be able to understand and critically evaluate issues on FinTech, Blockchain, value creation and related concepts and link their understanding with the recent developments in the global digital economy in general, and the financial services industry, in particular.

Outline Syllabus
? Introduction to FinTech and its roles in the digital economy; ? Digital Identity and Cloud Computing; ? Data Science and Big Data Analytics, Blockchain and Distributed Ledger Technology; ? Cryptoassets; ? Open Banking; ? Digital Payments Systems; ? Disruption in Asset Servicing and Capital Markets; ? Disruption in Investment Management and alternative Data in Portfolio Management; ? Innovation and value creation; ? Online Marketplace Lending and Crowdfunding; ? WealthTech, RegTech and InsurTech; ? The Impact and legal implications of FinTech

Learning Outcomes	
Outcome Number	Description
1	Demonstrate a critical understanding about current developments in FinTech and its impact on investors, the financial services industry, markets and the global economy.
2	Understand and being able to explain introductory topics in big data analysis and R programming.
3	Explore and analyse contemporary issues in big data analysis, blockchain, Cryptoassets, scientific computing and financial technology in relation to the financial services industry.
4	Understand and being able to explain the real nature of digital payment systems and the role of FinTech within markets and the global economy.
5	Understand and explain economic and econometric theory relevant to Bitcoin and Blockchain.
6	Explore and analyse ethical issues related to risk governance and Fin Tech.

Learning, Teaching and Assessment Strategy

For the online version of the programme, learning will be directed, supported and reinforced through a combination of online lectures and online tutorial sessions as well as through directed and self-directed study. Tutorial sessions will complement formal lectures and will offer some opportunity for students to do some hands-on programming work using the open-source statistical package R. These activities will be based on either case studies or problem-solving exercises. Other tutorial sessions will reinforce some of the main themes explored in lectures.

The module will be delivered over 12 weeks, 5 of which will include synchronous lectures and 7 asynchronous ones. The five synchronous lectures, which involves student interaction with module lecturers and tutors, include a mix of learning activities such as four 2-hour ?live? lectures focusing on delivering content, case studies, tasks, group-based discussions, guest lecturing, and discussing answers to student tasks. One additional 2-hour synchronous lecture will focus on the design of and preparation for the assessment, module revision, and the collection and review of student feedback which will be used to improve module delivery.

The seven asynchronous lectures include 2-hour per week pre-recorded presentations or talks on a particular topic, links to relevant videos and online resources and lists of questions and tasks for self-study. Students can watch the presentations, videos and work on the answers and tasks at their own time.

In addition, each week contains 1-hour ?live? tutorials focusing on solving and discussing case studies, problems etc.

All synchronous lectures and tutorials will be offered in a proper time to consider the differences in time zones. Further, all lectures and tutorials will be recorded and uploaded on Canvas for further access and review.

Formative feedback will be provided throughout the entire module.

The final assessment for online version will be an individual coursework assignment which explores a mixture of quantitative and qualitative themes outlined in the module.

Appropriate feedback, both formative and summative, will be given for the assessment. The assessment will assess against all the learning outcomes specified in this document.

Mode of Assessment

Type	Method	Description	Weighting
Summative	Coursework - Written	Individual Coursework Assignment (3000 words)	100%

Reading List

To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html

Please note:
This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.
