IB9AV-15 Digital Finance, Blockchain & Cryptocurrencies

26/27

Department
Warwick Business School
Level
Taught Postgraduate Level
Module leader
Yi Ding
Credit value
15
Module duration
9 weeks
Assessment
100% coursework
Study location
University of Warwick main campus, Coventry

Description

Introductory description

This module will delve into the use and impact of digital technologies in the world of finance. Digital technologies and innovations are helping to introduce new and innovative products and services to consumers, new players and business models, and altering the landscape of financial markets.

Module web page

Module aims

The principle aims of the module are:

- To provide the students with practical and theoretical understanding of how financial services industry has been transformed through the adoption and use of digital innovation and information technologies.
- Familiarise students with the key technical, procedural, and business aspects of relevant financial technologies and FinTech innovations.

- Provide students with the right mix of technical and business skills to manage IT change in a highy complex and distributed but also competitive setting in finance.
- Explain to students how recent developments in fintech, paytech, regtech, and insuretech (e.g. open banking, blockchain and shared ledger technologies, cryptocurrencies, artificial intelligence, security, etc.) will affect the future of finance.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

Our focus is on how digital innovations and information technologies are transforming the provision of financial services. This will include

- The future of money and Payment systems
- Blockchain and cryptocurrencies
- Artificial Intelligence AI in Finance and its impact
- Digital Lending, crowdfunding , crowdinvesting and wealth management
- Governance and regulation of technology in financial services
- New industry models such as insuretech.

Learning outcomes

By the end of the module, students should be able to:

- Demonstrate a comprehnsive understanding of the scope of Financial Services and Digitalization impact.
- Demonstrate a comprehensive understanding of new fintech business models and their transformations.
- Demonstrate a comprehensive understanding of the impact of governance and regulation on investment strategies and customer adoption.
- Demonstrate a comprehensive understanding of current and future technologies emerging in finance such as quantum computing and encrypton models
- Critically evaluate strength and barriers of using cryptocurrencies, blockchain and decentralised ledger technology and AI in finance.
- Critically analyse classical finance and new fintech models for comparison

Indicative reading list

Reading lists can be found in Talis

Subject specific skills

Evaluate cyproassets and cryptocurrency strategies and use cases
Evaluate Blockchain and descentralized ledger technology strategies and use cases
Evaluate Artificial intelligence in Finance strategies and use cases

Assess information systems and IT Strategy implications for Inside Financial Services institutes and outside as a user corporation of FinTech Products and Services

Transferable skills

Communication skills
Problem solving
Information technology

Study

Study time

Type	Required
Lectures	10 sessions of 1 hour (7%)
Online learning (scheduled sessions)	(0%)
Other activity	18 hours (12%)
Private study	49 hours (33%)
Assessment	73 hours (49%)
Total	150 hours

Private study description

Private study to include preparation for lectures and own reading

Other activity description

9 x 2 hrs F2F workshop

Costs

No further costs have been identified for this module.

Assessment

You do not need to pass all assessment components to pass the module.

Assessment group A5

	Weighting	Study time	Eligible for self-certification
Assessment component			
Individual assignment Individual assignment 2000 words	60%	44 hours	Yes (extension)
Reassessment component is the same			
Assessment component			
Portfolio from group work across the module (max 27 slides)	30%	22 hours	No
Reassessment component			
Individual Assignment Individual Assignment 1500 words			Yes (extension)
Assessment component			
500-word peer commentary	10%	7 hours	Yes (extension)
Reassessment component is the same			

Feedback on assessment

Standard course feedback sheet on each marked assignment or through myWBS plus feedback given to students after case discussion sessions.

Availability

Courses

This module is Optional for:

- Year 1 of TIBS-N500 MSc in Marketing and Strategy
- Year 1 of TIBS-N1N3 Postgraduate Taught Business Analytics

- Year 1 of TIBS-N1F5 Postgraduate Taught Business and Finance
- Year 1 of TIBS-N1F2 Postgraduate Taught Business with Consulting
- Year 1 of TIBS-N1F3 Postgraduate Taught Business with Marketing
- Year 1 of TIBS-N1QG Postgraduate Taught Business with Operations Management
- Year 1 of TIBS-N1F4 Postgraduate Taught International Business (MINT)
- TIBS-N2N3 Postgraduate Taught Management
    - Year 1 of N2N3 Management
    - Year 1 of N2N4 Management (Elite Sports Management)
- Year 1 of TIBS-G5N4 Postgraduate Taught Management of Information Systems and Digital Innovation