

FIN498 Financial Management in the Digital Economy

Level: 4

Credit Units: 10 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

FIN498 Financial Management in the Digital Economy is an integrated finance course to bring together the various areas in finance into a consolidated framework and implement the theories and practices in the world of digital economy. The first part of this course extends the fundamentals of asset management to digital assets, and also covers topics like global investment performance standards and behavioural finance. The next part of the course discusses the concept of financial inclusion, digital innovations and technology-enabled business model innovations in the financial sector. Other topics include financial cryptography, crypto-currency, digital banking, AI and Robo advisor, initial token offerings, as well as government regulations on FinTech and blockchains. This course also provides a review of the whole finance and Fintech ecosystem to help students understand the future trend of possible significant developments, challenges as well as opportunities for both the incumbents and the start-ups. Through this course, student will apply the knowledge they have learned in previous finance courses to solve real life problems and challenges in the fast changing finance world.

Topics:

- Traditional and digital asset classification
- Global investment performance standards
- Behavioural finance
- Portfolio management in a digital economy
- Financial inclusion
- Digital banking
- AI and Robo advisor
- Financial cryptography and initial token offerings
- Technology-enabled business model innovations
- Finance and FinTech eco-system
- Managing a FinTech start-up company
- FinTech regulations and risk management

Textbooks:

FIN498 Study Guide (UDC - SUSS) SUSS
ISBN-13: SG-1661

AI & Quantum Computing for Finance & Insurance Paul Schulte, David Kuo Chuen Lee World Scientific
ISBN-13: 9789811203916

Inclusive FinTech: Blockchain, Cryptocurrency and Initial Crypto-Token Offering David Kuo Chuen Lee, Linda Low World Scientific
ISBN-13: 9789813238657

Learning Outcome:

- Evaluate the global investment performance standards
- Compare conventional asset, alternative asset and digital asset classes
- Formulate investment decisions by applying behavioural finance theories
- Distinguish the opportunities and challenges faced by traditional finance institutions and FinTech startups
- Appraise the development of cryptocurrencies and initial token offerings
- Discuss the applications of blockchain technology and smart contracts in finance
- Analyse the various risks and security issues involved with the blockchain technology
- Examine the role of regulation on FinTech and blockchain technology
- Construct strategies to solve problems in current finance system and incorporate innovations in the financial services
- Create portfolio management strategy in the digital economy
- Demonstrate the essential knowledge and interpersonal skills to exchange ideas about the digital economy effectively in a team
- Demonstrate proficiency in writing on issues in the digital economy coherently

Assessment Strategies - Regular Semester (Daytime Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	PARTICIPATION 1	10
	CLASS TEST 1	10
	CLASS TEST 2	15
	GROUP BASED ASSIGNMENT 1	15
Overall Examinable Components	ECA-REPORT	32.5
	ECA-VIDEO	12.5
	ECA-POWERPOINT	5
Total		100

*The information listed is subject to review and change.