



KINGDOM OF SAUDI ARABIA
 IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY
 COLLEGE OF COMPUTER AND INFORMATION SCIENCES
 INFORMATION SYSTEMS DEPARTMENT
 BACHELOR IN INFORMATION SYSTEMS

المملكة العربية السعودية
 جامعة الإمام محمد بن سعود الإسلامية
 كلية علوم الحاسب والمعلومات
 قسم نظم المعلومات
 بكالوريوس نظم المعلومات

SYLLABUS

IS1250: Fintech: Foundation and Applications

CREDIT HOURS	3 credit hours
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PREREQUISITE	Math 1014 (Calculus-I) IS1200 – IS Management Competencies
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Instructor:
Contact information and office hours
Office No: To be announced (TBA)
Office Hours: TBA
E-mail: _____@imamu.edu.sa

COURSE DESCRIPTION
The main goal is to introduce the essential building blocks of financial technologies and real-world applications through the use of case studies drawn from the relevant industry

COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	Explain crypto-currency and blockchain in financial contexts	1(I)
1.2	Identify the regulatory concerns presented by the most common financial technologies	1(P)
1.3	Understand both the infrastructure of decentralized finance and the leading applications	1(P)
1.4		
1.5		
2	Skills :	
2.1	Interpret the synthesis of FinTech components	1(P)



2.2	Analyze which problems decentralized finance is designed to solve and how	2(A)
2.3	Apply the key components of decentralized finance's infrastructure	2(A)
2.4		
2.5		
3	Values:	
3.1		
3.2		
3.3		
3.4		
3.5		

TEACHING Strategies
Lectures Self-Learning

N o	List of Topics	Contact Hours	Self- Learning
1	The financial environment	3	
2	Money and the money systems	3	2
3	FinTech: Foundations, Payments, and Regulations	3	
4	Cryptocurrency and Blockchain: An Introduction to Digital Currencies	3	
5	Lending, Crowdfunding, and Modern Investing	3	
6	Decentralized Finance Infrastructure	6	
7	Decentralized Finance Primitives	3	2
8	Decentralized Finance Deep Dive	9	
9	Decentralized Finance Opportunities and Risks	3	2
10			
11			
12			
Total		36	6

TEXT BOOK
<p>FinTech Innovation: From Robo-Advisors to Goal Based Investing and Gamification by Paolo Sironi Jul 19, 2016</p> <p>DeFi and the Future of Finance 1st Edition by Campbell R. Harvey (Author), Ashwin Ramachandran (Author), Joey Santoro (Author), Vitalik Buterin (Preface), Fred Ehrsam (Foreword)</p>



FinTech For Dummies 1st Edition
by Steven O'Hanlon (Author), Susanne Chishti (Author), Brendan Bradley (Author), James Jockle (Author), Dawn Patrick (Author)

REFERENCES

Introduction to Finance: Markets, Investments, and Financial Management
by Ronald W. Melicher and Edgar A. Norton | Oct 8, 2019

Course Assessment Methods			
No	Assessment Method	Due Week	% of Total Assessment
1	Quiz	4	10
2	Assignment	9	10
3	Midterm	7	20
4	Project / Lab Exam	11	20
5	Final Exam	13	40