

## HKU Introduction to FinTech Course Syllabus -Updated Mar 2023

<b><u>Module 1: What is FinTech?</u></b>	
<b>1.1</b>	Module 1 Introduction
<b>1.2</b>	FinTech Transformation
<b>1.3</b>	FinTech Evolution 1.0: Infrastructure
<b>1.4</b>	FinTech Evolution 2.0: Banks
<b>1.5</b>	FinTech Evolution 3.0 & 3.5: Startups and Emerging Markets
<b>Industry Showcase</b>	Collaboration between Financial Institutions and Startups (The FinTech Association of Hong Kong)
<b>1.6</b>	FinTech Typology
<b>1.7</b>	Emerging Economics: Opportunities and Challenges
<b>1.8</b>	From Too-Small-To-Care to Too-Big-To-Fail
<b>1.9</b>	Introduction to Regulation
<b>Industry Showcase</b>	The Future of RegTech and Six Technologies Impacting It (Thomson Reuters)

<b><u>Module 2: Payment, Cryptocurrencies and Blockchain</u></b>	
<b>2.1</b>	Module 2 Introduction
<b>2.2</b>	Individual Payments
<b>2.3</b>	Developing Countries and DFS: The Story of Mobile Money
<b>2.4</b>	Developing Countries and DFS: Regulation of Mobile Money
<b>2.5</b>	RTGS Systems
<b>2.6</b>	The ABCDs of Alternative Finance (Parts 1 & 2)
<b>2.7</b>	Building a New Stack
<b>2.8</b>	Cryptocurrencies
<b>Industry Showcase</b>	Introduction to Digital Asset Market (Gatecoin)
<b>Industry Showcase</b>	Stablecoins (Feron Labs)
<b>Industry Showcase</b>	Legal and Regulatory Implications of Cryptocurrencies (King & Wood Mallesons)
<b>Industry Showcase</b>	Behavior Analysis and Valuation of Cryptocurrencies (Santiment)
<b>2.9</b>	What is Blockchain?
<b>Industry Showcase</b>	The Benefits from New Payment Stacks (Applications of Ripple for Standard Chartered Bank)

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<b><u>Module 3: Digital Finance and Alternative Finance</u></b>	
<b>3.1</b>	Module 3 Introduction
<b>3.2</b>	A Brief History of Financial Innovation
<b>3.3</b>	Digitization of Financial Services
<b>3.4</b>	FinTech & Funds
<b>Industry Showcase</b>	How AI is Transforming the Future of FinTech (Microsoft)
<b>Industry Showcase</b>	How Will AI Transform Financial Analysis? (MioTech)
<b>Industry Showcase</b>	AI and Finance (Huawei)
<b>Industry Showcase</b>	Ensuring Compliance from the Start: Suitability and Funds (Investment Navigator)
<b>3.5</b>	Crowdfunding – Regards, Charity and Equity
<b>Industry Showcase</b>	What is Equity Crowdfunding? (AngelHub)
<b>Industry Showcase</b>	What are the Differences between Seed/Angel, Venture Capital and Private Equity Funding Rounds? (AngelHub)
<b>Industry Showcase</b>	What are the Differences between a SAFE, Convertible Note and pure equity? (AngelHub)
<b>3.6</b>	P2P and Marketplace Lending
<b>3.7</b>	The Rise of Chinese TechFins – New Models and New Products
<b>3.8</b>	ICOs
<b>Industry Showcase</b>	Collaborative and Contextual Banking (WeBank)

<b><u>Module 4: FinTech Regulation and RegTech</u></b>	
<b>4.1</b>	Module 4 Introduction
<b>4.2</b>	FinTech Regulations (Parts 1 & 2)
<b>4.3</b>	Evolution of RegTech
<b>4.4</b>	RegTech Ecosystem: Financial Institutions
<b>4.5</b>	RegTech Ecosystem: Startups
<b>4.6</b>	RegTech Startups: Challenges
<b>4.7</b>	RegTech Ecosystem: Regulators
<b>Industry Showcase</b>	Payment & the Regulatory Landscape in Asia Pacific (KurumLegal)
<b>Industry Showcase</b>	The Application of AI in Smart Regulation (Mindbridge)
<b>4.8</b>	Regulatory Sandboxes
<b>Industry Showcase</b>	Balancing Innovation and Regulation Challenges in Hong Kong (Charles Mok)

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4.9	Smart Regulation
4.10	Redesigning Better Financial Infrastructure: India Stack

<b><u>Module 5: Data and TechFin</u></b>	
5.1	Module 5 Introduction
5.2	History of Data Regulation
5.3	Data in Financial Services
<b>Industry Showcase</b>	Application of Data Analytics in Finance (vPhrase)
<b>Industry Showcase</b>	How Startups are Transforming the Asset Management Landscape in Hong Kong? (MioTech)
<b>Industry Showcase</b>	Digitization of Financial Services – A DBS Approach (Parts 1 & 2) (DBS)
5.4	European Big-Bang: PSD2 / GDPR / MiFID2
<b>Industry Showcase</b>	PSD2: Open Banking API for Startups (Gini)
<b>Industry Showcase</b>	Methods of Data Protection: GDPR Compliance and Personal Privacy (Exate Technology)
5.5	Digital Identity
5.6	Change in Mindset: Regulation 1.0 to 2.0 (KYC to KYD)
5.7	AI and Governance
5.8	New Challenges of AI and Machine Learning
5.9	Data, Metadata and Differential Privacy
5.10	Data is the New Oil: Risk of Breach
<b>Industry Showcase</b>	Cybersecurity Industry Update (Microsoft)

<b><u>Module 6: The Future of Data-Driven Finance</u></b>	
6.1	Module 6 Introduction
6.2	Case Study 1: Revolut
6.3	Case Study 2: Alibaba
6.4	Case Study 3: Aadhaar
6.5	Case Study 4: Credit Karma
6.6	Case Study 5: Digibank
6.7	Conclusion to Case Studies
6.8	FinTech Big Trends – Looking Forward
<b>Industry Showcase</b>	Next Generation Digital Financial Services (Huawei)

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<b>Industry Showcase</b>	The Next Big Opportunities in FinTech (Charles Mok)
<b>Industry Showcase</b>	The FinTech Landscape in China – What’s Next? (Charles Mok)
<b>Industry Showcase</b>	Research and Development (R&D) and Interactions with Industries (Charles Mok)

NEW Monthly Series started Jan 2020

<a href="#"><u>Looking Back, Looking Forward</u></a>	
2022/2023	<a href="#"><u>Looking Back, Looking Forward (2022/2023) – SERIES 3</u></a> (Current series)
2021-2022	<a href="#"><u>Looking Back, Looking Forward (2021-2022) – SERIES 2</u></a>
2020-2021	<a href="#"><u>Looking Back, Looking Forward (2020-2021) – SERIES 1</u></a>