

Introduction to FinTech Course Syllabus

Module 1 What is FinTech?	
1.1	Module 1 Introduction
1.2	FinTech Transformation
1.3	FinTech Evolution 1.0: Infrastructure
1.4	FinTech Evolution 2.0: Banks
1.5	FinTech Evolution 3.0 & 3.5: Startups and Emerging Markets
Industry Showcase	Collaboration between Financial Institutions and Startups (The FinTech Association of Hong Kong)
1.6	FinTech Typology
1.7	Emerging Economics: Opportunities and Challenges
1.8	From too-Small-To-Care to Too-Big-To-Fail
1.9	Introduction to Regulation
Industry Showcase	The Future of RegTech and 6 Technologies Impacting It (Thomson Reuters)

Module 2 Payments, Cryptocurrencies and Blockchain	
2.1	Module 2 Introduction
2.2	Individual Payments
2.3	Developing Countries and DFS: The Story of Mobile Money
2.4	Developing Countries and DFS: Regulation of Mobile Money
2.5	RTGS Systems
2.6	The ABCDs of Alternative Finance (Parts 1 & 2)
2.7	Building a New stack
2.8	Cryptocurrencies
Industry Showcase	Legal and Regulatory Implications of Cryptocurrencies (King & Wood Mallesons)
2.9	What is Blockchain? (Parts 1 & 2)
Industry Showcase	The Benefits from New Payment Stacks (Applications of Ripple for Standard Chartered Bank)

Module 3 Digital Finance and Alternative Finance	
3.1	Module 3 Introduction
3.2	A Brief History of Financial Innovation
3.3	Digitization of Financial Services
3.4	FinTech & Funds
3.5	Crowdfunding – Regards, Charity and Equity
3.6	P2P and Marketplace Lending
3.7	The Rise of Chinese TechFins – New Models and New Products
3.8	What is an ICO?

Module 4 FinTech Regulation and RegTech	
4.1	Module 4 Introduction
4.2	FinTech Regulations (Parts 1 & 2)
4.3	Evolution of RegTech
4.4	RegTech Ecosystem: Financial Institutions
4.5	RegTech Ecosystem: Startups
Industry Showcase	Ensuring Compliance from the Start: Suitability and Funds
4.6	RegTech Startups: Challenges
4.7	RegTech Ecosystem: Regulators
Industry Showcase	Use Case of AI in Smart Regulation and Fraud Detection
4.8	Regulatory Sandboxes
4.9	Smart Regulation
4.10	Redesigning Better Financial Infrastructure

Module 5 Data & TechFin	
5.1	Module 5 Introduction
5.2	History of Data Regulation
5.3	Data in Financial Services
Industry Showcase	Application of Data Analytics in Finance (vPhrase)
5.4	European Big-Bang: PSD2 / GDPR / Mifid2
Industry Showcase	PSD2: Open Banking API Will Help Startups
Industry Showcase	Methods of Data Protection: GDPR Compliance and Personal Privacy (Exate Technology)
Industry Showcase	How AI is Transforming the Future of FinTech (Microsoft)
5.5	Digital Identity
5.6	Change in mindset: Regulation 1.0 to 2.0 (KYC to KYD)
5.7	AI & Governance
5.8	New Challenges of AI and Machine Learning
5.9	Challenges of Data Regulation
5.10	Data is the New Oil: Risk of Breach
Industry Showcase	Cybersecurity Industry Update (Microsoft)

Module 6 The Future of Data-Driven Finance	
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