

## Introduction to FinTech Course Syllabus

### **Module 1 What is FinTech?**

<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 6 Technologies Impacting It (Thomson Reuters)

### **Module 2 Payments, Cryptocurrencies and Blockchain**

<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>	Legal and Regulatory Implications of Cryptocurrencies (King & Wood Mallesons)
<b>2.9</b>	What is Blockchain? (Parts 1 & 2)
<b>Industry Showcase</b>	The Benefits from New Payment Stacks (Applications of Ripple for Standard Chartered Bank)

### **Module 3 Digital Finance and Alternative Finance**

<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>	Ensuring Compliance from the Start: Suitability and Funds
<b>3.5</b>	Crowdfunding – Regards, Charity and Equity
<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>	What is an ICO?

<b>Module 4 FinTech Regulation and RegTech</b>	
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
4.6	RegTech Startups: Challenges
4.7	RegTech Ecosystem: Regulators
<b>Industry Showcase</b>	Use Case of AI in Smart Regulation and Fraud Detection
4.8	Regulatory Sandboxes
4.9	Smart Regulation
4.10	Redesigning Better Financial Infrastructure

<b>Module 5 Data &amp; TechFin</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)
5.4	European Big-Bang: PSD2 / GDPR / Mifid2
<b>Industry Showcase</b>	PSD2: Open Banking API Will Help Startups
<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 & 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
<b>Industry Showcase</b>	Cybersecurity Industry Update (Microsoft)

<b>Module 6 The Future of Data-Driven Finance</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
3.8	What is an ICO?