

Introduction to FinTech Course Syllabus

| Module 1 What is FinTech? | |
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| 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 | |
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| 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 | |
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| 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 | |
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| 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 | |
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| 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 | |
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| 6.1 | Module 6 Introduction |
| 6.2 | Case Study 1: Revolut |

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| 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 |