

# Introduction to Fintech

Lecture: 9, 11, 16, 18 & 23 July 2019

Test: 30 July 2019

Venue:

Blk S17 Seminar Room

## Objective

Fintech takes the original financial system and improves its technology, while Techfin is to rebuild the system with technology. In this course, we shall study Fintech using tools from mathematics, statistics, and finance. Neither detailed IT issues nor philosophical issues will be discussed. The topics to be covered include: (1) Basic concepts of blockchain and smart contracts. (2) Introduction to Solidity, the most popular programming for writing smart contracts on blockchain. (3) Cryptocurrencies and stable coins. (4) Initial coin offering (ICO). (5) Contract designs for ICO. (6) Dynamic mean variance analysis and robo-advising. (7) Privacy issues. The students are required to know calculus, linear algebra, basic probability and statistics, and basic finance concepts such as investment and derivatives pricing.

**Target Participants:** Data Analysts, Bankers, Financial Analysts, Big Data Consultants, Customer Insights Analysts, Data Engineers and Data Managers

**REGISTER**



**19 March to 3 June 2019**

[http://tiny.cc/FoS\\_IFT](http://tiny.cc/FoS_IFT)

**CONTACT US**

<http://ww1.math.nus.edu.sg/>

Ms Jenny Yip, [matykk@nus.edu.sg](mailto:matykk@nus.edu.sg)