

The International Blockchain Olympiad (ibcol.org) is working with the Department of Computer Science, HKU, to organize a blockchain training series for recent and current students who aspire to work in business, finance, social enterprises, high tech, and entrepreneurship.

All high school, undergraduate, post-graduate, and gap-year students — as well as recent graduates — of any academic discipline are welcome. No prior knowledge necessary. Program prerequisites are recommended, but not required. Participants are encouraged to participate in the International Blockchain Olympiad (ibcol.org), a multidisciplinary design competition for applying blockchain and cryptography to solve real-world challenges.

These courses are FREE of charge, and strictly for students only. Recent graduates and dropouts may be granted permission to take these courses on a case-by-case basis, at the discretion of the organizing committee. To prove eligibility, attendees must provide student ID, letter of matriculation, diploma, or other valid forms of proof. Failure to prove eligibility shall be denied entry.

For more information and to sign-up, visit: <http://bit.ly/hkbct2020>

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BC 202: Asset Tokenization & Digital Fiat

This course builds on concepts from BC 201 to explore the most popular consequence of blockchain-powered networks that is the co-creation elements: digital transaction and value-driven ecosystem and marketplace, built around cryptographically-based tokens as assets. Deep investigation into the technological challenges of tokenization, the digital representation of physical goods. Build understanding of exchange vehicles, valuation models, and fungibility work across value networks. Examine different types of tokens, and studying the development, adoption, and sustainability of digital fiat.

9 JAN, THU | 6:30-9:30pm @ HKU (CPD-3.04)

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BC 203: Governance & Compliance

This course builds on concepts from BC 102 to provide in-depth understanding and management of risk and compliance challenges when applying blockchain to business scenarios. Exploring notary, governance, and other multi-stakeholder networks in the domains of standards development, policy guidance, community advocacy, knowledge, and education. The problems with decentralized autonomous organizations. Look into practical issues of permissioned and permissionless blockchains, with on-chain and off-chain governance of protocols and the applications that run on them. Deep dive into the scaling, interoperability, and crisis management of these systems over time. Prereq: BC 102.

6 FEB, THU | 6:30-9:30pm @ HKU (KB113)

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BC 204: Solutions Architecture

This course builds on all previous courses to provide the necessities for applying blockchain and cryptography to build a decentralized application. Students will learn how to identify appropriate use cases in terms of enterprise and industry impact, distilling existing business processes by devising plans with design-thinking, matching business idea with technological tenets. Explore business modelling and design, strengths and weaknesses of blockchain-based business structures, and advantages of different economic models and token economics. Prereq: BC 201.

20 FEB, THU | 6:30-9:30pm @ HKU (KB113)

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BC 205: Fintech - Financial Technology

This course explores the use of blockchain technology in the finance sector. Three blockchain experts from the financial industry will respectively discuss how blockchain is being used in the banking, insurance and trade finance industries. Each of the lecturers will examine using real use cases on how blockchain solutions are employed to tackle industry problems and address pain points arising from business processes. The pros and cons of using blockchain vs other technologies, the challenges and risks of using blockchain and best practices for long-term success will also be addressed. Necessary financial background will be provided by the lecturers so students participating in this course need not have any prior knowledge in finance. Prereq: BC 203.

5 MAR, THU | 6:30-9:30pm @ HKU (KB113)

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BC 301: Blockchain Engineering - R3 Corda

This is a one-day technical crash course where students will develop a comprehensive understanding of Corda, an open-source enterprise permissioned platform created by R3 in 2016. Corda is designed and built from the ground up to record, manage and synchronise legal agreements among business entities, designed for use by regulated financial institutions and is arguably the most popular permissioned blockchain platform used by financial institutions to build blockchain applications. By the end of training, participants will gain a good understanding how Corda works and acquires hands on experience of developing some basic CorDapps (applications on Corda). This course is suitable for developers with at least intermediary programming in Java or similar. Prereq: BC 101.

18 APR, SAT | 6:30-9:30pm @ HKU (KB113)

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Our updated training schedules and venues can be referred here: <https://www.ibcol.org/en-hk/program/>