COURSE DETAIL

COMPUTER SCIENCE AND INFORMATION ENGINEERING

Country
Taiwan

Host Institution
National Taiwan University

Program(s)
National Taiwan University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
135

UCEAP Course Suffix

UCEAP Official Title
COMPUTER SCIENCE AND INFORMATION ENGINEERING

UCEAP Transcript Title
BITCOIN BIG DATA

UCEAP Quarter Units
4.50

UCEAP Semester Units
3.00

Course Description

The course focuses on Big Data Aggregation for Bitcoin transaction analytics, including: Confirmed transactions on Blockchain; confirmed and unconfirmed transactions and associated data not included in Blockchain; data from digital currency exchanges, wallets, payment processors and miners; user data (payments, demographics etc.); illegal activities and payments; transaction analytics. The section on comprehensive database for credit metrics and fraud detection covers machine learning analytics for real-time transaction tracking and credit scoring; early warning system against fraudulent activities and hacking; identity verification and classification of persons or companies involved in a transaction.

Language(s) of Instruction
English

Host Institution Course Number
CSIE5315

Host Institution Course Title
COMPUTER SCIENCE AND INFORMATION ENGINEERING

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science and Information Engineering

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