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
BITCOIN IN THE BIG DATA ERA

Host Institution Course Details
https://sites.google.com/site/2b20172h/home

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science and Information Engineering

Course Last Reviewed
2022-2023

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