

# COURSE DETAIL

## DATA MINING

**Country**

Hong Kong

**Host Institution**

Hong Kong University of Science and Technology (HKUST)

**Program(s)**

Hong Kong University of Science and Technology

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

108

**UCEAP Course Suffix****UCEAP Official Title**

DATA MINING

**UCEAP Transcript Title**

DATA MINING

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

**Course Description**

This course introduces the concepts and techniques in the field of data mining. Topics include an introduction to data preprocessing and the techniques used to explore the large quantities of data for the discovery of predictive models and knowledge. The course includes data mining techniques such as nearest neighbor, decision trees, neural networks, Bayesian networks and Naïve Bayes, rule-based methods, association analysis and clustering, as well as social networks and data mining applications in business and finance applications.

**Language(s) of Instruction**

English

**Host Institution Course Number**

COMP4331

**Host Institution Course Title**

DATA MINING

**Host Institution Campus**

HKUST, Engineering

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Computer Science

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