

COURSE DETAIL

DATABASE TECHNOLOGY AND MANAGEMENT

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

135

UCEAP Course Suffix**UCEAP Official Title**

DATABASE TECHNOLOGY AND MANAGEMENT

UCEAP Transcript Title

DATABASE TECH&MGMT

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course provides students with practical knowledge and understanding of basic issues and techniques in data management, with sufficient theory to understand the reasons for these techniques. Topics include conceptual (entity relationship model) and logical design (relational model) of database models, relational database management (data definition, data manipulation, SQL, visual interactive query interfaces), and their use in application development (in particular, data extraction from DBMS to spreadsheets application and data extraction to Web applications). Projects in developing a database within an application form an essential component of this course.

Language(s) of Instruction

English

Host Institution Course Number

IT2002

Host Institution Course Title

DATABASE TECHNOLOGY AND MANAGEMENT

Host Institution Campus

Host Institution Faculty

Computing

Host Institution Degree

Host Institution Department

Computer Science

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