

COURSE DETAIL

DATA MANAGEMENT FOR BUSINESS ANALYTICS

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 Business Administration

UCEAP Course Number

139

UCEAP Course Suffix**UCEAP Official Title**

DATA MANAGEMENT FOR BUSINESS ANALYTICS

UCEAP Transcript Title

DATA MGMT BUS ANLYT

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course is highly applied in nature with two important database topics, namely, traditional relational databases and SQL, as well as non-traditional databases and NoSQL queries. Students are expected to know basic programming using Python as a prerequisite. In this course, students learn, understand, use, and apply the principles and technologies of data management to business analytics. Doing so creates two benefits - (1) students understand the complexities of enterprise business analytics much more deeply and have a set of principles and techniques to apply to wrangle these complexities; and (2) students become technically proficient and comfortable in data management technologies (like SQL and NoSQL), so they can implement these principles on their own. In this course, students gain a much broader appreciation for real-world enterprise analytics - how data management, data science/analysis and data visualization come together to build analytics capabilities for organizations. This appreciation strengthens students' abilities to tackle the organizational challenges associated with analytics. Finally, students become more robust technically, and develop key technical skills needed in all business analytics professionals.

Language(s) of Instruction

English

Host Institution Course Number

IT3010

Host Institution Course Title

DATA MANAGEMENT FOR BUSINESS ANALYTICS

Host Institution Course Details

<https://nusmods.com/courses/IT3010/data-management-for-business-analytics>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Information Systems and Analytics

Course Last Reviewed

2023-2024

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