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 keys 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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