

# 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 ANALYT

**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 Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

