

# COURSE DETAIL

## DATABASES

**Country**

United Kingdom - England

**Host Institution**

University of Sussex

**Program(s)**

University of Sussex

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

104

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

DATABASES

**UCEAP Transcript Title**

DATABASES

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

In this course, students get an introduction to the concepts of database software, database design, management, and programming. This includes conceptual database design using the entity-relationship approach, logical database design, and physical database design. The course focuses on the relational data model. Students learn to design and implement a relational database using Structured Query Language (SQL), retrieve and manipulate data via SQL queries, normalize relational databases: normal forms, and the elimination of certain anomalies based on redundancy, tune database queries with security via permission rights and indexes, write stored procedures and triggers using procedural SQL, and use Java Database Connectivity libraries (JDBC) to access databases in Java programs.

## Language(s) of Instruction

English

## Host Institution Course Number

G6031

## Host Institution Course Title

DATABASES

## Host Institution Course Details

<https://www.sussex.ac.uk/study/modules/undergraduate/2025/104178-databases>

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Computing

## Course Last Reviewed

2025-2026

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