

# COURSE DETAIL

## DATABASE SYSTEMS I

**Country**

Ireland

**Host Institution**

University of Galway

**Program(s)**

University of Galway

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

103

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

DATABASE SYSTEMS I

**UCEAP Transcript Title**

DATABASE SYSTEMS 1

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

**Course Description**

Topics in this course include indexing techniques (primary, secondary, clustering, B trees), and hashing (extendible, dynamic, and linear); database architectures and data models (network, hierarchical, relational, and object-oriented); relational model (relations, relational operators, and integrity constraints); relational algebra and SQL (relational operators, query optimisation, DDL, DML, and DCL); and extended relational model.

**Language(s) of Instruction**

English

**Host Institution Course Number**

CT230

**Host Institution Course Title**

DATABASE SYSTEMS I

**Host Institution Course Details**

<http://www.nuigalway.ie/engineering-informatics/currentundergraduatestudents/co...>

**Host Institution Campus**

NUI Galway

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Information Technology

**Course Last Reviewed**

2018-2019

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