

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 Campus

NUI Galway

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

Information Technology

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