

# COURSE DETAIL

## DATABASE TECHNOLOGY

**Country**

Sweden

**Host Institution**

Lund University

**Program(s)**

Lund University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Engineering Computer Science

**UCEAP Course Number**

156

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

DATABASE TECHNOLOGY

**UCEAP Transcript Title**

DATABASE TECHNOLOGY

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

The course gives basic theoretical and practical knowledge about database systems and their organization. The emphasis is on relational databases. Topics include an introduction to database systems, basics of the relational model and the query language SQL, methods for data modelling and database design, E/R diagrams, and UML diagrams. Theory for the relational model: functional dependencies, normalization, relational algebra, stored procedures and triggers, and program and web interfaces to databases. Previous knowledge with programming and Java required.

### Language(s) of Instruction

Swedish

### Host Institution Course Number

EDAF75

### Host Institution Course Title

DATABASE TECHNOLOGY

### Host Institution Campus

### Host Institution Faculty

Faculty of Engineering

### Host Institution Degree

### Host Institution Department

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