DALARNA UNIVERSITY

Course Syllabus

Introduction to Relational Databases 7.5 Credits*, First Cycle

Learning Outcomes
The overall goal of the course is that students shall acquire knowledge of principles and methods for designing and using relational databases.

After completing the course the student shall be able to:

Knowledge and understanding

- explain the importance of normalisation when designing relational databases.
- explain the importance of designing good identifiers for database tables.

Skills and abilities

Course Content
The course introduces the relational database concept and system theory. Methods for designing and developing database systems are covered. The course also deals with knowledge about how and why databases are used by companies, authorities and organisations.

Assessment
Written examination (4.5 credits), written report on laboratory work (3 credits, U-G).

Forms of Study
Lectures and labs.

Grades
The Swedish grades U–VG.

The grade awarded on the written examination determines the final grade in the course.

Prerequisites
Fundamentals of programming 7,5 credits

Other Information
The course is equivalent to Database Systems 7,5 credits. Due to the rapid development of the subject, the number of examinations is limited to five.

Replaces IK1051.

Subject:
Information Systems

Group of Subjects:
Informatics/Computer and Systems Sciences

Disciplinary Domain:
Technology, 100%

This course can be included in the following main field(s) of study:
1. Information Systems
2. Microdata Analysis

Progression Indicator within (each) main field of study:
1. G1F
2. G1F

Approved:
Approved 23 August 2018
Valid from 6 November 2018