Course Syllabi

CODE 202

NAME Databases

Credits 6 ECTS

Period

Course Specifications

Lectures in the classroom will introduce the foundations of Conceptual Dababase Design an Relational Database Management Systems. Practical activities will allow the students to learn how to handle a commercial database manager system. The student will put in practice the basic topics and tools concerning database systems. This course is mainly developed in the labs, directly interacting with professional database software.

Objectives and contents

The objectives are to learn the concepts of the Conceptual Modelling and the Relational Database Model and to use these elements via a commercial database manager. Contents include the Entity-Relationship and Relational models, the data definition language and data manipulation language of SQL and an introduction to the database architecture.

Assessment

There will be 2 main activities to be developed and evaluated in the semester: database design (project activity) and database implementation by using the Oracle software (lab activity). A final exam regarding SQL language (lab activity) and a questionnaire completes the evaluation. The students have to engage in all the activities, participate in every evaluation milestone, and show a minimum level in all of them.

Lecturers

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