Bases de données

Lecturer
Esteban ZIMANYI (Coordinator)

Course mnemonic
INFO-H303

ECTS credits
5 credits

Language(s) of instruction
French

Course period
Second term

Course content

Database Management Systems. History of Database Technology. Entity-Relationship Model. Relational Databases. From Entity-Relationship to Relational Schemas. Relational Algebra. Relational Calculus. SQL. Relational Normalization.

Objectives (and/or specific learning outcomes)

The course prepares students for the tasks of design, implementation, and manipulation of relational databases.

Pre-requisits and co-requisits

Pre-requisites courses

INFO-F101 | **Programmation** | 10 crédits , INFO-F103 | **Algorithmique 1** | 10 crédits and INFO-H100 | **Informatique** | 5 crédits

Co-requisites courses

INFO-H2001 | **Programmation orientée objet** | 5 crédits

Teaching method and learning activities

The theoretical courses are complemented by practical exercices.

References, bibliography and recommended reading

R. Elmasri, S. Navathe, Fundamentals of Database Systems, 5th edition, Addison Wesley, 2006. C. Date, An Introduction to Database Systems, 8th edition, Addison-Wesley, 2004.

Evaluation method(s)

Other

Evaluation method(s) (additional information)

A written exam and a project to be realized by the students. The exam includes a theoretical part (1h30) and a practical part (2:30).

Programmes

Programmes proposing this course at the Brussels School of Engineering

BA-IRCI | **Bachelor in Engineering Sciences** | option Bruxelles/unit 3

Programmes proposing this course at the faculty of Sciences

BA-INFO | **Bachelor in Computer science** | unit 2 and BA-MATH | **Bachelor in Mathematics** | unit 3