

## TC1020 Databases

SPANISH

**Course in which it's recommended to incorporate the use of information technologies.**

**CIP:** 110101 Computer and Information Sciences,  
General.

**C-L-U:** 3-0-8

Academic department that offers it:  
Computer Technologies

Graduate Programs who offer them:  
4 INT11, 4 ISC11, 4 ITC11, 4 ITIC11, 4 LATI11  
Certificates

Requirement:  
(TC1019)

Equivalence:  
None.

General aim of the course:  
Upon completion of this course, students will be able to design and build an effective, efficient information system that meets the information requirements of an organization using relational databases, producing the appropriate documentation for the analysis and design phases, and ensuring the consistency of the data given the multi-user access.

Teaching and learning techniques:  
Learning-oriented projects

Bibliography:  
TEXT BOOKS:  
\* Elmasri, Ramez., Fundamentals of database systems , 5th ed., Boston ; Mexico : Pearson/Addison Wesley, c2007, , 0321369572 (encuadrado), 9780321369574 (encuadrado)  
\* Connolly, Thomas M., Database systems : a practical approach to design, implementation, and management, 5th ed., Boston ; London : Addison-Wesley, c2010, , 0321523067, 9780321523068

Professor's profile:  
Master Degree in Computational Sciences; Master Degree in Computer/Information Sciences; Master Degree in Artificial Intelligence/Robotics; Master Degree in Information Technology.; Doctoral Degree in Computational Sciences; Doctoral Degree in Computer/Information Sciences; Doctoral Degree in Artificial Intelligence/Robotics; Doctoral Degree in Information Technology.