

IT'S EASY TO ADD CACHÉ[®] TO YOUR CURRICULUM.

Modern Database Techniques Course

This course designed by Professor Hulin of the University of Applied Sciences Ravensburg-Weingarten in Germany during his sabbatical at InterSystems. The course consists of presentation materials and lab exercises and is available to you in a lecture and a blended learning format.

Students will learn to:

State the difference between relational database systems and object -oriented database systems. They can choose the appropriate system for a given problem

Design the structure of an object oriented database using UML

Explain the theory of object-oriented database systems and how the theoretical concepts are implemented in the post-relational database management system Caché

Develop a server application using Caché and the programming language ObjectScript

Develop a client application in Java using the Java Language Binding

Describe the internal data structure of Caché: globals, indexes, and B-trees

Install and administrate Caché DBMS

Explain the mechanisms for transactions, locking, crash recovery and backup in Caché

Write correct software for multi-user databases using their knowledge of different locking mechanisms of Caché

State the different security mechanisms and which are available in Caché

Professor Hulin is offering two special services to our members:

Instructors can take part in the course for one semester and afterwards teach the course themselves.*

If only few students of a university want to take part in the course they can become guest students at the university and take part in the course. The classroom lessons could be provided as web-conferences for students abroad.

*Universities are not required to take part in the course before using the materials.

To obtain the materials for this course, send an email to CacheCampus@intersystems.com.