COP-6727 Advanced Database Systems

Catalog Description
Design, architecture and implementation aspects of DBMS, distributed databases, and advanced aspects of databases selected by the instructor. (3 credits.)

Prerequisites
SCIS Graduate Standing; an undergraduate database course.

Type
Advanced graduate course

Course Objectives
Become familiar with advanced modeling, architectural, implementation, and theoretical aspects of database management and information retrieval.

Learn how to read, present and analyze conference style paper

Identify and define a problem related to a predefined research topic

Write a conference style paper

Topics
Database design
Spatial Databases
Cloud Databases
Distributed Databases
Database Virtualization
Advanced semantic aspects of databases
Streaming data query and analysis
Medical, Health and Personal Databases
Integration and data analysis of heterogeneous databases
Web Search and Information Retrieval
XML
Semantic Web and Mashups
Web page analysis and summarization

Textbook
Research papers to be distributed

Last Update
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