

16:198:541 - Advanced Data Management

Course Number: 16:198:541

Course Type: Graduate

Semester 1: Spring

Credits: 3

Description:

This course focuses on advanced topics in Database Management Systems and Web Data.

Category: B (M.S.), B (Ph.D.)

Prerequisite Information:

16:198:513 or 16:198:512;

knowledge of logic (as can be gained in 16:198:509);

an undergraduate-level database course.

Course Links: 16:198:512 - Introduction to Data Structures and Algorithms, 16:198:513 - Design and Analysis of Data Structures and Algorithms

Topics:

Advanced topics, chosen from: distributed databases, object-oriented DBMS, active databases, deductive databases, data mining, conceptual modeling, query processing, information retrieval, web search, data integration, NoSQL.

Expected Work: Assigned readings, a team project, and exams.