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| **Course Title: DBM114 DBMS ARCHITECTURES**  **Year and Semester:** Year 1, Semester 1 |
| **Course Description**  The architecture of a database system is greatly influenced by the underlying computer system on which it runs, in particular by such aspects as processor and memory architecture, and networking, as well as by requirements of parallelism and distribution. In this chapter, we provide a high-level view of database architectures, with a focus on how they are influenced by the underlying hardware, as well as by requirements of parallel and distributed processing. |
| **Prerequisite(s) or co-requisite(s)**  None |
| **Method of Instruction**   * Lecture * Laboratory |
| **Content Outline by Topic**   * Centralized and Client-Server Systems * Server Systems * Distributed Systems * Parallel Systems * Network Type Systems |
| **Actual Contact Hours/Week**  4 hours a week for 13 weeks |
| **Methods and Frequency of Evaluation of Student Performance**  Workshops (minimum 5) 10%  Assignments (minimum 2) 4%  Quizzes (minimum 10) 3%  Test(s) 3%  Final Exam 80% |
| **Resources to be Purchased/Provided by Students:** None |
| **Textbook Requirement:**  Database System Concepts  [Avi Silberschatz](http://www.cs.yale.edu/homes/avi)  [Henry F. Korth](http://www.cse.lehigh.edu/~korth)  [S. Sudarshan](http://www.cse.iitb.ac.in/~sudarsha)  McGraw-Hill ISBN 9780078022159 |