CS6585 – Database Foundations
Fall 2016 - Course Outline

Schedule:

CS6585	**Tuesday and Thursday**	**3:00-4:20**	**Lecture hall – HC11**	**S. Ray**

Course Description:

Database systems are the driving force behind modern information age. From banking to travel to online shopping, in our daily lives databases play crucial roles. Consequently, database software is a multi-billion dollar industry. The purpose of this course is to present core database technologies including data modeling, relational data model, SQL, JDBC and relational algebra. Furthermore, the course intends to provide a solid understanding of the internals of database systems. With hands-on exercises the course will explore the inner workings of a database system, such as, storage, buffer management, query planning and query optimization.