Course Description

Introduction to the relational database model, date integrity, database management systems, high level database design technique, SQL database query language, relational algebra, data normalization, transactions in SQL, eText: ISBN-10: 0136006752, ISBN-13: 9780136006756.
Print: ISBN-10: 013600637X, ISBN-13: 9780136006374.

- Reference book(s) (Optional):

  "PHP and MySQL Web Development." Forth Edition. Luke Welling and Laura Thomson.
  eText: ISBN-10: 0672332000, ISBN-13: 9780672332005.
  Print: ISBN-10: 0672329166, ISBN-13: 9780672329166.

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Online Database Programming Using PHP	2
Design Theory – Normalization	2
Transactions in SQL	1
Project Presentation	1
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Evaluation

- Homework, Labs, and Project   35 – 45%
- Midterms and Final Exams   Relational Algebra 45
- Quizzes and In-class Exercises   10%