Course Title: Database Systems
Abbreviated Course Title: Database Systems
Course Subject: CSE
Course Number: 111
School Submitting Request: Engineering
Division: Upper Division
Effective Term: Fall 2016
Discontinuance Term: ----
Lower Unit Limit: 4
Upper Unit Limit: 4
Prerequisites: CSE 031
Prerequisites with a Concurrent Option:
Corequisites:
Major Restrictions:
Class Level Restrictions:

Course Description:
Principles of database design and operation. Relational data model. High-level data modeling representations. SQL database language. Active databases with constraints and triggers. Query optimization with views and indexes. Exploiting database servers within programming languages for web application development. Other topics include transaction processing and recovery, user-defined functions, and data warehousing.

TIE Code: T: Lecture plus Supplementary Activity
Reasons for Request: Other
Brief Explanation of Change(s):
Part of the wholesale CSE curriculum changes approved for FA’16 Lab hours changed from 4 to 3 to normalize with other CSE courses.
Lecture: 3 contact, 3 non-contact
Lab: 3 contact, 3 non-contact
Seminar: 0 contact, 0 non-contact
Discussion: 0 contact, 0 non-contact
Tutorial: 0 contact, 0 non-contact
Field: 0 contact, 0 non-contact
Studio: 0 contact, 0 non-contact

Total Contact/Non-contact Hours Per Week:

Total Hours Per Week: 12
Grading Options: Letter Grade Only
In Progress Grading: 500
Maximum Enrollment: 500
Maximum Enrollment Reason ----
Cross-listing
Conjoined
Cross-listed Schools ----
Can this course be repeated? No
How many times?

Resource Requirements TA

Does this satisfy a General Education Requirement? No

Course Outline and/or Additional Documentation [CSE111.pdf (94Kb)]