CSE 111: Database Systems

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:  
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  
Part of the wholesale CSE curriculum changes approved for FA’16 Lab hours changed from 4 to 3 to normalize with other CSE courses.  

Brief Explanation of Change(s): 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:  
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 Hours Per Week: 12  
Grading Options: Letter Grade Only  
In Progress Grading:  
Maximum Enrollment: 500
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<thead>
<tr>
<th>Maximum Enrollment Reason</th>
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<td>Cross-listing</td>
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<td>Conjoined</td>
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<tr>
<td>Cross-listed Schools</td>
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<tr>
<td>Can this course be repeated?</td>
<td>No</td>
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<td>How many times?</td>
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<td>Resource Requirements</td>
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<td>Does this satisfy a General Education Requirement?</td>
<td>No</td>
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<tr>
<td>Course Outline and/or Additional Documentation</td>
<td><a href="CSE111.pdf">CSE111.pdf (94Kb)</a></td>
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