Course Syllabus for CMPS180 Database Systems I (Winter 2009)
Course web page: http://www.cse.ucsc.edu/classes/cmps180/Winter09

Lecture times and location:
Tuesday and Thursday, 2:00 to 3:45PM, Cowell Classroom 131

Instructor: Wang-Chiew Tan (wctan@cs.ucsc.edu)
Office Hours: Tuesday, 10:00AM to 12:00Noon, or by appointment,
Office: E2-343B

Teaching Assistant: Lei Yang (lyang6@ucsc.edu)
Office Hour: Monday, 4:00-6:00PM
Office: BE 314A

Lab sections: Monday, Wednesday, 2:00 to 3:45PM, Social Science I PC (Room 135)
Friday, 4:00 to 6:00PM, Social Science I PC (Room 135)
You are strongly encouraged to attend the lab sections as the teaching assistant will be available to guide you through your project assignments and answer your questions during lab sections.

Textbook:
The Database Systems: The Complete Book, 2/E (By Garcia-Molina & Ullman & Widom)
(c) 2009 | ISBN-10:0132459272

Timetable (tentative):

<table>
<thead>
<tr>
<th>Topic</th>
<th>Number of lectures</th>
<th>Chapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>History and Introduction</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>The Relational Data Model</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>SQL: Queries, Constraints, Triggers, Views</td>
<td>4-5</td>
<td>6,7,8,1,8.2</td>
</tr>
<tr>
<td>Relational Algebra (RA) and Relational Calculus</td>
<td>4-5</td>
<td>2, notes</td>
</tr>
<tr>
<td>Schema Refinement and Normal Forms</td>
<td>4-5</td>
<td>3</td>
</tr>
<tr>
<td>Database Application Development</td>
<td>1</td>
<td>9,1,9,6</td>
</tr>
<tr>
<td>Datalog, RA, SQL with Recursion</td>
<td>1</td>
<td>5,3,5,4</td>
</tr>
<tr>
<td>Semistructured Data Model, XQuery</td>
<td>1-2 (time permitting)</td>
<td>11,12</td>
</tr>
</tbody>
</table>

Evaluation:
Midterm                                       30%
Final Exam                                    35%
Homeworks                                     20%
Lab Assignments                               15%
Class participation

Important Dates:
Midterm: Feb 10 (Tuesday), 2:00 to 3.45PM
Final Exam: Mar 19 (Thursday), 7:30 to 10:30PM

The dates for the midterm and final exam are fixed. Requests for changes in the schedule will not be accommodated.

Academic Integrity:
No form of academic dishonesty will be tolerated. You are encouraged to read the campus’ policies regarding academic integrity (http://www.ucsc.edu/academics/academic_integrity/).

You are allowed to ask for help when working on homework and lab assignments, provided that you acknowledge, on the work that you turn in, the help that you received. Points will be deducted if it appears that labor has been divided among multiple students; otherwise, there will be no penalty for small amounts of acknowledged assistance. If you have any questions about these rules, please discuss them with the instructor immediately.