Course Syllabus
Computer Information Systems Department
IS 421 ENTERPRISE DATABASE APPLICATION

CLASS TIME: 6:30pm – 9.00pm Tuesday
CLASSROOM: Owen 301M

PROFESSOR: Dr. Huei Lee
OFFICE: Room 516, Owen
TELEPHONES: O: 487-4044 H: 483-4092
E-MAIL: Huei.Lee@emich.edu
Website: http://people.emich.edu/hlee1 and http://www.emuonline.edu

OFFICE HOURS: Monday 7:00 p.m. -- 8:00 p.m.
Tuesday 2:00 p.m. -- 3:00 p.m.
Wednesday 12:30 p.m. -- 1:30 p.m.
Thursday 1:00 p.m. -- 4:00 p.m.
or BY APPOINTMENT

COURSE TEXT AND MATERIALS:
2. Handouts and Class Notes.
3. Homework/Assignments may be given in class.

COURSE OBJECTIVE:

By the end of the course, students will be able to:
- To learn about different types of Data Modeling.
- To learn database design techniques and processes. This includes logical and physical database design.
- To learn about different database models such as Entity-Relationship model.
- To learn how to use Oracle 9i Database Management tool for application development.
- To learn Client/Server application development.
- To learn about different database processing methods, such as centralized processing and distributed processing.
- To learn Web interface to database and web based application development.
To implement a database application using a commercial package (Oracle 10g).

COURSE ACTIVITIES:

Course activities include examinations, homework, and lab assignments. The examinations will cover material from the textbook as well as activities completed in the lab. The closed book, in-class exams will be given. Each examination will consist of objective questions (true/false, multiple choice, fill-in-the-blank, short answer) and application activity.

Lab assignments or homework will be assigned through the semester. Some of the assignments/homework will be worked individually; other assignments will be worked in teams.

The homework will be due at the beginning of the class period specified as the due date.

Assignments must include the following information in a cover page or the right-upper corner of the first page:

[Student Name]
Assignment No: [Assignment Number]
IS 421 W08

Late assignment/homework will receive 80% of the full credit if they are turned-in at the beginning of the next scheduled class period. Late assignment will receive half credit if turned-in more than two class period late.

COURSE POLICIES:

A. Course policy on attendance: Attendance refers to as class participation, learning attitude, and class discussion. If you arrive late to class, your responsibility is to inform Professor Lee and have your marked absence removed. If you miss a regular class meeting, you have until the beginning of the next class period to obtain an excused absence. You are, however, responsible for obtaining class notes or announcements from other students in the class.

B. All cellular phones and pager must be turned off during the class time.
C. This schedule is tentative, and may be changed at the discretion of the instructor.

COURSE GRADE STRUCTURE:

<table>
<thead>
<tr>
<th>Exam 1</th>
<th>20%</th>
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</thead>
<tbody>
<tr>
<td>Exam 2</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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</tbody>
</table>
Assignments (Lab Assignments & Home Works)  25%
Paper/Project 10%
Attendance 5%

Total 100%

93% or above A  90% - 92.9% A-
87% - 89.9% B+  83% - 86.9% B  80% - 82.9% B-
76% - 79.9% C+  73% - 75.9% C  70% - 72.9% C-
66% - 69.9% D+  63% - 65.9% D  60% - 62.9% D-
Less than 60% E

(The percentage grade shown on emuoline is not used for the final grade for this course)

Tentative Course Schedule:
(This schedule is tentative, and may be changed at the discretion of the instructor.)

<table>
<thead>
<tr>
<th>Week or Dates</th>
<th>Topics</th>
<th>Readings or Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>First class. Introduction to course and class policies. Client/server databases and the Oracle 10g relational database.</td>
<td>Chapter1; Reading</td>
</tr>
<tr>
<td>1/15</td>
<td>Database design; Creating and modifying database tables</td>
<td>Reading; Chapter2</td>
</tr>
<tr>
<td>1/22</td>
<td>Creating and Modifying database tables(continued)</td>
<td>Chapter2</td>
</tr>
<tr>
<td>1/29</td>
<td>Using SQL queries to insert, update, delete and view data.</td>
<td>Chapter3</td>
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<tr>
<td>2/5</td>
<td><strong>First Test;</strong> Using SQL queries to insert, update, delete and view data (continued)</td>
<td>Chapter3</td>
</tr>
<tr>
<td>2/12</td>
<td>Introduction to PL/SQL</td>
<td>Chapter4</td>
</tr>
<tr>
<td>2/19</td>
<td>Introduction to PL/SQL (continued)</td>
<td>Chapter4</td>
</tr>
<tr>
<td>2/26</td>
<td><strong>Spring Break</strong></td>
<td></td>
</tr>
<tr>
<td>3/4</td>
<td>Introduction to Forms Builder</td>
<td>Chapter5</td>
</tr>
<tr>
<td>3/11</td>
<td>Introduction to Forms Builder (continued)</td>
<td>Chapter5</td>
</tr>
<tr>
<td>3/18</td>
<td><strong>Second Test;</strong> Creating custom forms</td>
<td>Chapter6</td>
</tr>
<tr>
<td>3/25</td>
<td>Creating custom forms (continued)</td>
<td>Chapter6</td>
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Ethos Statement
Eastern Michigan University
College of Business

The College of Business students, faculty and staff comprise a professional, interdependent community committed to perfecting responsible, ethical business professionals to serve business and the wider world. Through a positive learning experience mirroring the business world’s best aspects, the community respects the group’s common mission and the individuals comprising it. Community members foster the COB ethos through behavior growing from six interrelated values:

1) Integrity
   Integrity is practicing in all areas of life what we profess to believe. It is commitment to professional standards in the whole person.

2) Honesty
   Honesty requires respect for the truth; it means being truthful, sincere, and straightforward.

3) Trustworthiness
   Growing out of integrity and honesty, trustworthiness is the confidence others have that we mean what we say; we can be counted on.

4) Respect
   Respect is deference or esteem for what we value. We recognize others’ worth as ends, not means. Respect is key to our other values.

5) Learning
   We value learning as an end in itself and as a practical tool for success in lifelong professional growth. We gain up-to-date, practical and theoretical knowledge through effective, often participative learning and research.

6) The Work Ethic
   We practice self reliance and responsibility to our business profession and community. We are industrious and often self supporting.