Saddleback College
Business Science Division
Course Syllabus
CIM 289 – SPECIAL TOPICS: QUERYING MS SQL SERVER WITH TRANSACT--SQL

Instructor: Jonathan Webber
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Email: jwebber@saddleback.edu

Semester: Spring 2004
Ticket No: 22010
Time & Day: 7:00-10:00p Th
Room: BGS 211

COURSE DESCRIPTION:
Students will learn how to create write functions and triggers and retrieve and maintain data using Transact-SQL. Transact-SQL allows developers to write ad hoc queries as well as to write and invoke complex stored procedures and triggers.

COURSE OBJECTIVES:
Upon completion of this course, the student will be able to:
1. Describe the uses of and ways to execute the Transact-SQL Language.
2. Use Querying tools.
3. Write SELECT queries to retrieve data.
4. Group and summarize data by using Transact-SQL (T-SQL).
5. Join data from multiple tables or views.
6. Write queries that retrieve data by using sub-queries and nested queries.
7. Update, insert, and delete data in tables.
8. Describe data normalization, data design and use data definition language (DDL).
9. Create and use SQL views.
10. Create and edit SQL stored procedures (SP’s).
11. Create User Defined Functions (UDF’s), Triggers, and cursors.

We will be covering slightly less than half of this book.

ASSIGNMENTS AND TESTS:
Reading – Students are to read assigned chapters and relevant reading in preparation for each class discussion, quiz or exam. You should bring your textbook to each class meeting.

Makeup exams are given by prior arrangement only. See or contact your professor before the date of a midterm or final exam to inquire about alternative arrangements.

POLICIES AND PROCEDURES: It is the student’s responsibility to officially withdraw from a course, through Admissions and Records. Students should note the college’s schedule of last day to drop courses. Uncompleted course work may result in a grade of “F”.

Late Homework will be accepted for 2 weeks after each due date, but at a diminished score. Grades will be posted on socccd.Blackboard.com during the semester for your review. All homework is to be turned using socccd.blackboard.com digital drop-box

Please turn off all cell phones, pagers, and PDA devices during class. Do not leave class early without prior notification to the professor. Students are responsible for all announcements, handouts, or other class business discussed or distributed during class.
Academic Dishonesty – According to official Policies and Procedures of Saddleback College, “Cheating or plagiarism in connection with an academic program” is prohibited and students “may be disciplined...for the following cause” for a single infraction. In the rare instance that a student in this course cheats or plagiarizes materials, that student will receive a grade of “F” for the course. In the event the activity is particularly serious, the professor reserves the right to pursue expulsion of the student from the college.

Grading:

<table>
<thead>
<tr>
<th>Points</th>
<th>Participation 50 (6 points per class/assignment)</th>
<th>A = 90% - 100% (200 or more points)</th>
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<tbody>
<tr>
<td>3 Quizzes</td>
<td>60 (20 points each quiz)</td>
<td>B = 80% - 89% (180 or more points)</td>
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<tr>
<td>Mid term</td>
<td>35</td>
<td>C = 70% - 79% (155 or more points)</td>
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<tr>
<td>Final Exam</td>
<td>80</td>
<td>D = 60% - 69% (135 or more points)</td>
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<td>F = Below 60% (134 or fewer points)</td>
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Extra Credit
100 Pass Microsoft Certified Professional Exam (70-229) by 3/11/2004
20 Submit Complete T-SQL Project file by 3/04/2004

COURSE SCHEDULE:

<table>
<thead>
<tr>
<th>Date</th>
<th>Tests</th>
<th>Reading assignments</th>
<th>Topic</th>
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<tbody>
<tr>
<td>01/15/2004</td>
<td>Chap 2, 3</td>
<td>SQL Server Basics and Tools</td>
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<tr>
<td>01/22/2004</td>
<td>Chap 4, 5</td>
<td>Select Statements and Joins</td>
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<tr>
<td>01/29/2004</td>
<td>Chap 6, 8</td>
<td>Data Normalization and Data Definition Language</td>
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<tr>
<td>02/05/2004</td>
<td>Quiz 1</td>
<td>Chap 10, 11</td>
<td>SQL Views and Scripts</td>
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<td>02/12/2004</td>
<td>Chap 12</td>
<td>SQL Stored Procedures</td>
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<td>02/19/2004</td>
<td>Quiz 2</td>
<td>Chap 13, 15</td>
<td>UDF’s and Triggers</td>
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<td>02/26/2004</td>
<td>Chap 16, 18</td>
<td>Cursors and Advanced Triggers</td>
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<td>03/04/2004</td>
<td>Quiz 3</td>
<td>Chap 19, 29, Course Review</td>
<td>XML and Performance Tuning</td>
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<td>03/11/2004</td>
<td><strong>FINAL EXAM, 7:00 – 9:00 p.m.</strong></td>
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