**CS 3550 Advanced Database Programming**

Fall Semester 2016

**Instructor** Matt Horton  
Phone: 801-510-2288  
E-mail: matthewhorton@weber.edu/mmhorton65@gmail.com  
Office Hours: By Appointment  
**Classroom** Davis Campus Room 225

<table>
<thead>
<tr>
<th>Days</th>
<th>Monday/Wednesday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td>7:30 – 9:20 PM</td>
</tr>
</tbody>
</table>

**Goal**  
This course is designed to teach students to design, implement, and maintain a distributed database application. Applications development using database programming techniques emphasizing database structures, such as stored procedures, user defined functions, cursors, triggers, and distributed queries will be covered. Other topics will include: advanced transaction processing as well as distributed database problems and solutions using enhanced SQL and XML.

**Class**  
Class will consist of projects, lectures and discussions. Class will consist of mostly hands-on learning. We will be studying mostly Microsoft SQL Server 2016.

**Discussions**  
Weekly reading and discussion questions will be posted each week. Students are expected to do the assigned reading and participate in the online discussions. Discussions will be worth 5% of your final grade.

**Projects**  
Project work will be the majority of the class. Almost every class will include some type of project work. It is expected that by the end of the semester students will have enough practical experience to succeed as a junior SQL programmer. Projects count for approximately 60% of the final grade.

**Quizzes**  
There will be a quiz almost every class period. The quizzes will be based on the weekly reading, lectures and projects. Quizzes count for 15% of final grade.

**Final Project**  
A final project, to show what you’ve learned this semester, will be due the week of finals. Details will be given towards the end of the semester. It will be worth 20% of your final grade.

**Policies**  
Class is very lab/class intensive. If you are going to miss class, I need to be notified before class. I expect the same courtesy you would give an employer.

**Accommodations for disabilities / Fees**  
Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in the Student Service Center.

**Grading**  
The final grade will be given based on points accumulated through exams and labs. Standard grading will apply:  
94-100 A; 90-93 A-; 87-89 B+; 84-86 B; 80-83 B-; 77-79 C+; 74-76 C; 70-73 C; 67-69 D+; 64-66 D; 60-63 D-; 59 or below E.

**Cheating**  
Cheating will not be tolerated under any circumstances. If a student is caught cheating, the student will receive an automatic failure for the course. If it occurs again, the student will be expelled from the program for a period of one semester (not including summer). This third occurrence will result in dismissal from the program. View code here:
| **Course Fees** | Course fees for the Computer Science major are designed to cover the costs of lab equipment maintenance and replacement including desktop and server computer systems and software; consumable materials and supplies; and support for lab aides, student tutors, and online instructional resources. |