# Database Applications & Design Using SQL (CSC 150, CRN 3609)

|  |  |  |  |
| --- | --- | --- | --- |
| Instructor | Stacy Walker | Phone | (203) 285-2462 |
| Office | S301K | E-mail | swalker@gatewayct.edu |
| Office Hours | Thursday 10:30AM – 11:30PM |  |  |

### Days and Time:

Tuesday and Thursday

12:15PM – 1:35PM

### Text and Supplies:

SQL Queries for Mere Mortals Third Edition

Prentice Hall PTR, ISBN 0-321-99247-4

### Description:

Presents relational database concepts and organization. Students will learn to use SQL to query and change these databases and generate the output needed. Students will also design their own databases using Access.

### Goals:

* Design and create their own database
* Write SQL to get data from a relational database, even in complex situations
* Write SQL to build new tables and to control the data in the tables
* Understand relational database concepts and terminology
* Use the technical reference documentation
* Understand the stages of the usual evolution of a database

### Grading:

The final grade for Database Applications & Design Using SQL, CSC-150, will be based on the following components. Registration for this course means that the student agrees to fulfill the requirements for this course. Students should make every effort to take the examinations and complete the laboratory projects and the homework assignments.

If a student is absent or late, the student is responsible for getting the course notes, handouts, and any laboratory assignments missed.

Component Weight Points

Check Your Understanding Assignments 50% 500

Term Project 40% 400

Evaluative[[1]](#footnote-1) 10% 100

Student Grades shall be consistent with Gateway Community College’s Grading Policy. Students who are having difficulties with their course work and need assistance are strongly encouraged you to use the lab assistant that are provided.

Grading System

Gateway Community College’s values for grades awarded which are used for the calculation of grades, averages and related matters are as follows:

|  |  |  |
| --- | --- | --- |
| **Letter Grade** | **Point Ranges** | **Grade Point Value** |
| A | 950 - 1000 | 4.00 |
| A- | 900 - 949 | 3.667 |
| B+ | 890 – 899 | 3.333 |
| B | 810 – 889 | 3.000 |
| B- | 800 – 809 | 2.667 |
| C+ | 790 - 799 | 2.333 |
| C | 710 – 789 | 2.000 |
| C- | 700 – 709 | 1.667 |
| D+ | 690 – 699 | 1.333 |
| D | 610 – 679 | 1.000 |
| D- | 600 – 609 | .0667 |
| F | 0 - 599 | 0.000 |

### Course Policies:

Late Homework & Class Projects

***Projects must be turned in on time to receive points****.*

## Student Conduct in Class Policy

Any acts of classroom disruption that go beyond the normal rights of students to question and discuss with instructors the educational process relative to subject content will not be tolerated, in accordance with Gateway Community College’s Academic Code of Conduct as described in the Gateway Community College’s Student Handbook.

## Examination Policy

To prepare for examinations, attend lectures and read the chapters. Approx. 100 % of the questions will be taken directly from the reading material assigned. Review the Reference Summary at the end of each chapter for a summary of the main topics covered in each chapter in preparation for the tests.

## Incomplete Policy

Students will not be given an incomplete grade in the course without sound reason and documented evidence as described in the Gateway Community College’s Student Handbook. In any case, for a student to receive an incomplete, he or she must be passing and must have completed a significant portion of the course.

## Accessibility Statement:

Any student who feels s/he may need an adjustment based on the impact of a documented disability, please contact the office of Student Accessibility Services at 203-285-2231 in room S-202 to coordinate reasonable adjustments. Students then should contact the professor privately to ensure adjustments are received.

### Tentative Fall 2016 Schedule:

|  |  |  |
| --- | --- | --- |
|  | **Date** | **Topic** |
| Week 1 | 8/30 | Course Introduction |
|  | 9/1 | Chapter 1 What is Relational? |
| Week 2 | 9/6 | Chapter 2  Ensuring Your Database Structure is Sound? |
|  | 9/8 | Chapter 3  A Concise History of SQL |
| Week 3 | 9/13 | Creating a Simple Query |
|  | 9/15 |  |
| Week 4 | 9/20 | Chapter 4  Getting More Than Simple Columns |
|  | 9/22 |  |
| Week 5 | 9/27 | Chapter 6  Filtering Your Data |
|  | 9/29 |  |
| Week 6 | 10/4 | Chapter 7  Thinking in Sets |
|  | 10/6 |  |
| Week 7 | 10/11 | Chapter 8  Inner Joins |
|  | 10/13 |  |
| Week 8 | 10/18 | Chapter 9  Outer Joins |
|  | 10/20 |  |
| Week 9 | 10/25 | Chapter 10  Unions |
|  | 10/27 |  |
| Week 10 | 11/1 | Work on Term Project |
|  | 11/3 |  |
| Week 11 | 11/8 | Work on Term Project |
|  | 11/10 |  |
| Week 12 | 11/15 | Work on Term Project |
|  | 11/17 |  |
| Week 13 | 11/22 | Work on Term Project |
|  | 11/24 | **No Class (Thanksgiving)** |
| Week 14 | 11/29 | Work on Term Project |
|  | 12/1 |  |
| **Week 15** | 12/6 | **No Class (Reading Day)** |
|  | 12/8 | Work on Term Project |
|  | 12/13 | Term Project Due |
|  |  |  |

1. Evaluative includes class participation, and attendance. A number of unexcused absences and attending class late can result in a reduction of your grade by 10%. [↑](#footnote-ref-1)