**CET 2812C CRN 25588**

**Spring 2013 - 201320 Full Term**

**Microsoft Windows Server SQL**

**Spring 2013**

**Instructor**

**Office**

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**Web site \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Office Hours**

**Course Description:**

This course prepares students to take and pass Microsoft Corporation’s certification test and becoming a Microsoft Certified Technical Specialist with an emphasis on Microsoft Corporation’s SQL Server’s administrator topics.

**Student Learning Outcomes:**

Through this course, students will be able to:

1. Install and configure SQL Server

2. Implement high availability and disaster recovery

3. Support data consumers

4. Maintain databases

5. Monitor and troubleshoot SQL Server performance

6. Create and implement database objects

**Course Content:**

**Part I: Getting Started**

Lesson 1: Introduction

Lesson 2: Installing Microsoft SQL Server

Lesson 3: Navigating SQL Server

**Part II: Database Objects**

Lesson 4: Data types

Lesson 5: Databases

Lesson 6: Tables

Lesson 7: Views

Lesson 8: Constraints

Lesson 9: Stored Procedures

Lesson 10: Functions

Lesson 11: Service Broker

**Part III: Security**

Lesson 12: Data Integrity

Lesson 13: Permissions

Lesson 14: Logins, Roles and Credentials

Lesson 15: Additional Security Tools

**Part IV: Server Objects**

Lesson 16: Backing up and Restoring Databases

Lesson 17: Endpoints

Lesson 18: Linking Servers

Lesson 19: Triggers

**Part V: Replication**

Lesson 20: Replication

**Part VI: Concepts**

Lesson 21: Performing Indexing and Full-Text Searching

Lesson 22: Transactions and Locks

Lesson 23: Moving Data

Lesson 24: Handling Specialty Data

Lesson 25: High-Availability Methods

**Part VII: Management**

Lesson 26: Maintain and Automating SQL Server

Lesson 27: Monitoring and Optimizing SQL Server

Lesson 28: SQL Server Management Tools

Lesson 29: Trouble Shooting Techniques

**Required Textbook:**

Microsoft Official Academic Course 70-432, Microsoft SQL Server 2008 Implementation and Maintenance published by John Wiley & Sons.