**CET 2812C CRN 25588**

**Spring 2013 - 201320 Full Term**

**Microsoft Windows Server SQL**

**Spring 2013**

**Instructor**

**Office**

**E-mail**

**Fax**

**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.