

## **ITMT 1076 Course Syllabus**

**1. Name of Course:** Administering & Automating Microsoft SQL Server 2005

**2. Number of Clock Hours:** 8

**3. Course Description:**

This course provides students with the knowledge and skills to administer and automate Microsoft SQL Server 2005 databases and servers. This course focuses on the need to maintain administration and automation information. Prerequisites: ITMT 1075 Designing High Availability Solutions for a Microsoft SQL Server 2005.

**4. Course Objectives**

After completing this course, students will be able to:

- Manage and automate databases and servers.
- Manage supporting services.

**5. Rationale:**

Upon completion of this course, students will have a better understanding of Microsoft SQL Server 2005, a power database system.

**6. Required Materials:**

Microsoft Official Curriculum, MOC 2789, included.

**7. Evaluation**

Those who participate in class discussions, complete course lab work, and miss no more than three class meetings will be awarded 0.8 continuing education units.

**8. Course Outline**

**Module 1: Managing and Automating Databases and Servers**

This module provides you with the guidelines and considerations for planning automated systems for databases and servers. This module also provides you with the knowledge required to maintain a run book.

**Lessons**

- Planning an Automated System for Database Maintenance.
- Planning an Automated System Server Maintenance.
- Documenting Administration and Automation Information.

**Lab 1: Managing and Automating Databases and Servers**

- Creating Maintenance Plans.
- Creating Database Change Control Procedures.
- Configuring And Using the SQL H2 Tool.

After completing this module, students will be able to:

- Plan an automated system for database maintenance.
- Plan an automated system for server maintenance.
- Document administration and automation information in a run book.

## **Module 2: Managing SQL Server Supporting Services**

This module introduces the concept of SQL Server Integration Services (SSIS) packages and provides the guidelines to deploy and manage SSIS packages. This module also provides the guidelines and considerations for maintaining replication and reporting services.

### **Lessons**

- Managing SSIS Packages.
- Managing Replication.
- Managing Reporting Services.

### **Lab 2: Managing SQL Server Supporting Services**

- Moving Packages Between Database Servers.
- Initializing a Transactional Subscription From a Backup.
- Configuring Reporting Services.

After completing this module, students will be able to:

- Manage SSIS packages.
- Manage replication.
- Manage reporting services.