Course Title: MCSA 70-461 Querying Microsoft SQL Server 2012

Course Description:
Prepare for MCSA SQL Server certification exam

Course Prerequisite(s):
Database Fundamentals, SQL Server 2008 Essentials, SQL Programming, or equivalent experience

Next Class Possibilities:
MCSA 70-462 Administering Microsoft SQL Server 2012 Database

Textbook(s):
Querying Microsoft SQL Server 2012
Training Kit (Exam 70-461)
Microsoft Press; 978-0735666054

Lesson Plan – by week or session
Session 1: Foundations of Querying
  Getting Started with the SELECT Statement
Session 2: Filtering and Sorting Data
  Combining Sets
Session 3: Grouping and Windowing
  Querying Full-Text Data
Session 4: Querying and Managing XML Data
  Creating Tables and Enforcing Data Integrity
Session 5: Designing and Creating Views, Inline Functions, and Synonyms
  Inserting, Updating and Deleting Data
Session 6: Other Data Modification Aspects
  Implementing Transactions, Error Handling, And Dynamic SQL
Session 7: Designing and Implementing T-SQL Routines
  Using Tools to Analyze Query Performance
Session 8: Implementing Indexes and Statistics
Session 9: Understanding Cursors, Sets and Temporary Tables
Session 10: Understanding Further Optimization Aspects

Course Sessions: listed are a guideline to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.

Method of Evaluation: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of the class time in order to be considered a successful completer of the course.

Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.

1/12/2018
Students must complete all courses (core and no. of elective courses needed) to complete a certificate series within two years from start date of the first course taken.

**Americans with Disabilities Act:** Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.

[http://www.collin.edu/studentresources/personal/studenthandbook.aspx](http://www.collin.edu/studentresources/personal/studenthandbook.aspx)