**COLLIN COLLEGE
COURSE SYLLABUS**

Course Information

## Course Number: ITSE 1393

Course Title: Special Topics in Computer Systems Analysis: Business Intelligence

**Course Description:**  An introduction to Business Intelligence analysis and reporting. The topics of study will include creating a data source, dimensional model, dimensions and measures, attribute relationships and user-defined hierarchies, calculated members, aggregations, and analysis reports using Excel. Lab required.

**Course Credit Hours:** 3

Lecture Hours: 3

 Lab Hours: 1

**Prerequisites:** ITSE 2309 andITSW 1304 or consent of Associate Dean.

**Student Learning Outcomes:** Upon successful completion of this course, students will:

1. Describe the structure of a business intelligence system.
2. Describe multidimensional data analysis concepts.
3. Describe a dimensional data model.
4. Create a data source.
5. Create logical primary keys and entity relationships to a data source.
6. Create named calculations and named queries.
7. Create standard, time, and parent-child dimensions.
8. Create attribute relationships and user-defined hierarchies.
9. Configure dimension and attribute properties.
10. Create a cube.
11. Create fact dimensions for a cube.
12. Create measures and measure groups, and calculated members.
13. Create a drill through action.
14. Create a reporting action.
15. Create MDX queries.
16. Create an Excel PivotTable report using data from Analysis Services.
17. Use an Excel PivotTable report to execute actions, and drill to detail.

**Withdrawal Policy:** See the current *Collin Registration Guide* for the last day to withdraw.

**Collin College Academic Policies:** See the current *Collin Student Handbook.*

**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- D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.