MIS 380 : Business Intelligence and Analytics

A. Course Description

Credits: 4

Prerequisites: MIS 310 Principles of Management Information Systems OR DATA 211 Data Science and Visualization

Corequisites: None

Business Intelligence is the user-centered process of exploring data, data relationships and trends - thus helping to improve overall decision making for enterprises. This course addresses the iterative processes of accessing data (ideally stored in the enterprise data warehouse) and analyzing data in order to derive insights and communicate findings. Moreover, the course also addresses the use of software tools for analysis and visualization of data, especially report design along with the use of dashboards.

B. Course Effective Dates: 01/12/2015 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Analyze data to generate information and knowledge that lead to informed decisions for businesses
2. Know how to research and select distinct software tools for different kinds of business intelligence tasks
3. Create structured and ad hoc business reports
5. Author dashboards that are used to summarize and visualize data in a way that fosters rapid business decision-making
6. Demonstrate how enterprise business intelligence can be derived from data warehouses & understand the structural components of data warehouses

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Recommended: MIS 320 and MIS 335.