Huizenga Postgraduate Course Catalogs   NSU Course Catalogs and Course Descriptions

2016

M.B.A. in Business Intelligence Analytics Course Descriptions 2016

Nova Southeastern University

M.B.A. in Business Intelligence Analytics Course Descriptions 2016

Course Descriptions

Full-Time professionals are available to discuss the M.B.A. in Business Intelligence / Analytics curriculum with you in greater detail. Simply call 800.672.7223 Ext. 25168 or contact our Enrollment Services Staff.

QNT 5470   Data Analytics for Business Management (3 cr.)

This course provides an overview of data analytics in business management and the technologies that can be used to enhance data-driven decision making. The course introduces data analytics frameworks and best practices for integrating data analytics into organizational business processes to be used to improve competitiveness, profitability, growth or operational efficiency. Students also gain experience with software tools used for data preparation, analysis, and reporting. Prerequisite: QNT 5160 or QNT 5040.

MMIS 630   Database Management and Applications (3 cr.)

The application of database concepts to management information systems. Design objectives, methods, costs, and benefits associated with the use of a database management system. Tools and techniques for the management of large amounts of data. Database design, performance, and administration. File organization and access methods. The architectures of database systems, data models for database systems (network, hierarchical, relational, and object-oriented model), client-server database applications, distributed databases, and object-oriented databases.

MMIS 642   Data Warehousing (3 cr.)

This course includes the various factors involved in developing data warehouses and data marts: planning, design, implementation, and evaluation; review of vendor data warehouse products; cases involving contemporary implementations in business, government, and industry; techniques for maximizing effectiveness through OLAP and data mining. Prerequisite: MMIS 630 Database Systems.

MMIS 643   Data Mining (3 cr.)

This course emphasizes the fundamental concepts and techniques of data mining. Concepts will be illustrated with case studies of real data mining examples. The focus is to find knowledge from huge amounts of data being handled electronically. Students will gain hands on experience using data mining tools on real data. Necessary background concepts in statistics and programming will be provided. Prerequisites: MMIS 671 Decision Support Systems or QNT 5040 Business Modeling, and MMIS 630 Database Systems.

MMIS 692   Capstone Project in Business Intelligence (3 cr.)

This capstone project requires students to employ the knowledge and skills assimilated in the four courses to design and develop a business intelligence application that leads to direct and measurable value for the studentsï¿½ organization. Prerequisites: MMIS 630 Database Systems, MMIS 642 Data Warehousing, and MMIS 643 Data Mining.

QNT 5495   Advanced Data Analytics for Business Management (3 cr.)

This course integrates knowledge of data management, data mining techniques, predictive modeling, and business process models. Students will apply advanced data analytics techniques to real-world business

problems and create and evaluate data-driven solutions to uncover new business strategies and improve organizational competitiveness. The effectiveness of data-analysis techniques and knowledge discovery methods in business applications is also discussed. Prerequisites: QNT 5470, MMIS 0630, MMIS 0642, MMIS 0643, and MMIS 0692.

Foundation Course Descriptions

QNTP 5000   Foundations of Business Statistics (3 cr.)

This course covers collection, description, analysis, interpretation, and presentation of data to support business decision making. Probability distributions, central limit theorem, statistical inference for uni-variate data; correlation analysis and introduction to linear regression modeling and their application to real world business problems are discussed. The data analysis capabilities of Microsoft Excel are integrated throughout the course.

FINP 5001   Accounting and Finance Foundations (3 cr.)

A survey of the essentials topics in accounting and finance includes modern corporate environments, agency and governance, accounting principles, financial statements, ratio analysis, time value of money, financial decision making tools.