Business Analytics - BUAL

Courses

BUAL 2600 BUSINESS ANALYTICS I (3) LEC. 3. Pr. (MATH 1610 or MATH 1617 or MATH 1680 or MATH 1683) and (P/C COMP 1000 or P/C COMP 1003 or COMP 1AAO). Introduction to analytics in business including use of data to make business decisions, basic predictive business modeling, and communication of analytical results.

BUAL 2650/2653 BUSINESS ANALYTICS II (3) LEC. 3. Pr. BUAL 2600 or MNGT 2600 or STAT 2610 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 3010 or STAT 2513. A second course in quantitative analysis in business including statistical inference, classification analysis, predictive modeling, forecasting, introduction to data mining. May count either BUAL 3600 or BUAL 2650.

BUAL 4920 BUSINESS ANALYTICS INTERNSHIP (3) INT. 3. SU. The internship program represents an opportunity for students to be exposed to analytics environments first-hand and to integrate this experience with their formal education. The practical nature of the internship facilitates the educational process and provides valuable work experience.

BUAL 5600 PREDICTIVE MODELING I (3) LEC. 3. Pr. (MNGT 2600 or BUAL 2600 or BUAL 2653 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 2513 or STAT 3010) and (MNGT 3600 or BUAL 3600 or BUAL 2650) or equivalent. Introduction to linear models including multiple linear regression and model building in business decision making and applications.

BUAL 5610 PREDICTIVE MODELING II (3) LEC. 3. Pr. (MNGT 2600 or BUAL 2600 or BUAL 2653 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 2513 or STAT 3010 or STAT 3010) and (MNGT 3600 or BUAL 3600 or BUAL 2650) and (BUAL 5600 or BUAL 6600 or BUAL 6606), or equivalent. Basic data mining techniques including neural networks, decision trees, clustering algorithms, linear programs, text and web mining in business setting.

BUAL 5650 BIG DATA I (3) LEC. 3. Pr. (MNGT 2600 or BUAL 2600 or BUAL 2653 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 2513 or STAT 2610 or STAT 3010) and (MNGT 3600 or BUAL 3600 or BUAL 2650), or equivalent. Managing, governing, extracting, merging, and preparing large data sets for analysis using real data. May count either BUAL 5650 or BUAL 6650/6656.

BUAL 5660 BIG DATA II (3) LEC. 3. Pr. (BUAL 5650 or BUAL 6650 or BUAL 6656). Advanced topics in big data management, with emphasis on loading and cleansing the data for analysis.

BUAL 5860 COMMUNICATING QUANTITATIVE RESULTS IN BUSINESS (3) LEC. 3. Pr. (MNGT 2600 or BUAL 2600 or BUAL 2653 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 2513 or STAT 2610 or STAT 3010) and (MNGT 3600 or BUAL 3600 or BUAL 2650) or equivalent. A case-based, project-oriented approach to business decision making based on company's mission and strategic objectives.

BUAL 6600/6606 PREDICTIVE MODELING I (3) LEC. 3. Pr. (MNGT 2600 or BUAL 2600 or BUAL 2653 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 2513 or STAT 3010 or STAT 3010) and (MNGT 3600 or BUAL 3600 or BUAL 2650), or equivalent. Introduction to linear models including multiple linear regression and model building in business decision making and applications.

BUAL 6610/6616 PREDICTIVE MODELING II (3) LEC. 3. Pr. (MNGT 2600 or BUAL 2600 or BUAL 2653 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 2513 or STAT 3010 or STAT 3010) and (MNGT 3600 or BUAL 3600 or BUAL 2650) and (BUAL 5600 or BUAL 6600 or BUAL 6606). Basic data mining techniques including neural networks, decision trees, clustering algorithms, linear programs, text and web mining in business setting.

BUAL 6650/6656 BIG DATA I (3) LEC. 3. Pr. (MNGT 2600 or BUAL 2600 or BUAL 2653 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 2513 or STAT 2610 or STAT 3010) and (MNGT 3600 or BUAL 3600 or BUAL 2650), or equivalent. Managing, governing, extracting, merging, and preparing large data sets for analysis using real data. May count either BUAL 5650 or BUAL 6650/6656.

BUAL 6660/6666 BIG DATA II (3) LEC. 3. Pr. (BUAL 5650 or BUAL 6650 or BUAL 6656). Advanced topics in big data management, with emphasis on loading and cleansing the data for analysis. May count either BUAL 5660 or BUAL 6660/6666.

BUAL 6860/6866 COMMUNICATING QUANTITATIVE RESULTS IN BUSINESS (3) LEC. 3. Pr. (MNGT 2600 or BUAL 2600 or BUAL 2653 or STAT 2010 or STAT 2017 or STAT 2510 or STAT 2513 or STAT 2610 or STAT 3010) and (MNGT 3600 or BUAL 3600 or BUAL 2650) and (BUAL 5650 or BUAL 6650 or BUAL 6656) and (BUAL 5610 or BUAL 6610 or BUAL 6616). A case-based, project-oriented approach to business decision making based on company's mission and strategic objectives.