

# BQUA - QUANTITATIVE ANALYSIS (BQUA)

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## **BQUA 2811 Business Statistics (3 Credits)**

This course provides students with an understanding of statistical techniques for analyzing business problems. Concepts are developed using calculations for simple problems with small amounts of data. Larger and more realistic problems are handled using Microsoft Excel. Topics include descriptive statistics, elements of probability, sampling, interval estimation, hypothesis testing and regression analysis.

**Prerequisites:** (MATH 1303 or MATH 1205 or MATH 1401 or MATH 1501) and BITM 2701

## **BQUA 2812 Quantitative Decision Making (3 Credits)**

This course introduces quantitative models of management science and their applications to decision making in a business environment. Topics may include decision analysis, forecasting, linear programming, inventory, queuing and simulation

**Prerequisites:** BQUA 2811 or MATH 2111 or MATH 2711 or MATH 1101 or MATH 1203

Students with a semester level of Freshman may not enroll.

## **BQUA 3701 Data Analyt - Bus Intelligence (3 Credits)**

## **BQUA 3840 Procurement Management (3 Credits)**

This course will cover both tactical and strategic aspects of the procurement process. It covers global sourcing and procurement strategies including supplier selection and evaluation, supplier relationships and risk management, negotiation and contract management, and e-Procurement. From the tactical point of view, it covers the elements of the purchase-to-pay process including order management, spending analysis and category management. Woven through each topic are performance measures and critical success factors for an overall responsive and resilient procurement process.

## **BQUA 4701 Internship (3 Credits)**

## **BQUA 4702 Directed Research (3 Credits)**