QUANTITATIVE METHODS (QM)

QM 110 | Applied Quantitative Analysis in Business | 3 cr
Surveys applied business concepts that include statistics, mathematics, operations management, accounting, finance, marketing, and project management. Emphasizes using data and spreadsheets as a means for modeling business concepts.
Prerequisites: MATH 104 or 111.
Offered: Fall, Spring, Summer.

QM 210 | Business Statistics I | 3 cr
Introduces descriptive statistical analysis; probability and expectation; discrete and continuous probability models; sampling distributions; hypothesis testing and estimation. Emphasizes conceptual understanding of statistical analysis and its application to and interpretation for business problems.
Prerequisites: MATH 112 or QM 110.
Offered: Fall, Spring, Summer.

QM 310 | Business Statistics II | 3 cr
Explains advanced inferential techniques including analysis of variance; simple and multiple linear correlation and regression techniques; Bayesian decision analysis; time-series analysis; non-parametric techniques; use of computer analysis for applied business problems.
Prerequisites: QM 210; completion of a minimum of 54 credits, business major/minor.
Offered: Fall, Spring, Summer.

QM 319 | Operations Management | 3 cr
Examines the role of the operations function in an organization; strategy and competitiveness, supply chain management, forecasting and inventory control. total quality management, statistical quality control, lean manufacturing, scheduling, project management, and application of these principles in manufacturing and service organizations.
Prerequisites: QM 210; completion of a minimum of 54 credits, business major/minor.
Offered: Fall, Spring, Summer.

QM 490 | Special Topics in Statistics and Quantitative Methods | 1-3 cr
Selected topics in statistics and quantitative methods. Subject varies; See Current Course Schedule.
Prerequisites: Dependent on subject matter; Junior standing, business major/minor.
Offered: Occasionally.