

MBA 622: Operations and Data Analysis

This course functions as two integral components of operations and data analysis. First, it is intended to provide students with an introduction to the knowledge and techniques for intelligent data analysis in business scenarios. Topics include the general concepts and managerial applications of descriptive statistics, basic probability theory, with applications of important distributions; and the use of contingency tables, and tests of statistical significance. It also introduces applications of linear regression. Excel is used throughout the topics. Second, the course is designated to overview the key operations issues in service and manufacturing organizations that have strategic as well as tactical implications. Students learn how operations management interfaces with global corporate structure and strategy. This course introduces concepts and analytical methods that are useful in managing an organization's operations. Topics may include manufacturing and service operations, supply chain management, total quality management, forecasting, inventory control, continuous improvement, and project management. The course develops teamwork skills while applying these concepts to problems and opportunities relevant to MBA students.