

## MBA

### Decision Sciences/Operations Research

Students learn to apply analytical methods and computer-based tools to problems in a wide variety of settings.

800-level Decision Sciences elective courses include the following:

**DS 816: Seminar in Business Forecasting** (offered Spring) - Theory and practice of short, medium, and long-range forecasting within business environments. Quantitative and qualitative forecasting methods. Mathematical methods covered include time series models, decomposition models, linear and multiple regression models, and may include ARIMA and data mining.

**DS 852: Managerial Decision-Making** (offered every Fall and Spring) – Business decision-making through data driven analysis in the spreadsheet environment.

**DS 853: Seminar in Data Analysis** (offered in Fall and Spring) – Sampling techniques and exploratory methods of data analysis; methods of multivariate data analysis applied to business problems.

**DS 855: Supply Chain Management** (offered Fall) – Concepts of competitive strategy and sustainability; aggregate planning and managing the marketing/operations interface; inventory management and procurement strategy; design of supply chain networks; and the role of IT.

**DS 856: Seminar in Project Management** (To be announced) – The full range of issues faced by project managers including the project life cycle; technical, human, and organizational issues; planning, scheduling, and controlling the timing, resources, and costs of a project.

**DS 861: Data Mining and Advanced Statistical Methods for Business Analysts** (offered in Fall and Spring) – Concepts of modeling and understanding of complex datasets based on advanced statistical methods with various supervised and unsupervised learning techniques.

Faculty Advisers:

Professors Bollapragada, Cheung, Cholette, Ozsen