MANAGEMENT INFORMATION SYSTEMS (MIS)

MIS 571 - Applied Machine Learning for Business (3.0 hours)
Explores data analysis and statistical methods as well as best practices for continuous iterative investigation of past business performance to gain insights and drive business planning. Exposes the students to several aspects of business analytics. Investigates data analytics fundamentals, data cleansing and transformation, and supervised/unsupervised data mining techniques for tasks like targeted mailing campaigns, customer segmentation, customer churn, fraud detection and market basket analysis.
Prerequisite: A statistics course and consent of the department chair. May not register for MIS 571 if credit earned for MIS 471

MIS 572 - Information Systems Management (2.0 hours)
Knowledge and application of information-related resources from a management perspective: identifying information needs, strategic uses of information systems, emerging information technologies, legal issues in information technology, managing information resources effectively.
Prerequisite: Foster College of Business Graduate Student or Consent of Associate Dean.

MIS 573 - Data Visualization for Business Analytics (3.0 hours)
Visual illustration of how to better understand data, present clear evidence of findings to an intended audience, and tell appealing stories through data graphics. The topics covered include but are not limited to: design principles, multivariate displays, geospatial displays, dashboards, interactive and animated displays. Some knowledge of basic programming (in any language) will be helpful, but not required. We will use several tools to refine our data and create, edit, alter, and display their visualizations. Cross-listed with MIS 473. The graduate level course will have additional requirements beyond those of the undergraduate course.
Prerequisite: May not register for MIS 573 if credit earned for MIS 473.

MIS 590 - Capstone Project for Business Analytics (3.0 hours)
Applies the concepts and skills learned by data science and analytics graduate students. Students are required to work on a team with a business client on an analytics project.
Prerequisite: Consent of the Department Chair

MIS 658 - Topics in Management Information Systems (1.0-6.0 hours)
Topics of special interest, which may vary each time the course is offered. May be repeated under different topics for a maximum of six (6) hours credit. Topic stated in current Schedule of Classes.
Prerequisite: Stated in current Schedule of Classes

MIS 660 - Readings in Management Information Systems (1.0-6.0 hours)
Individual readings in Management Information Systems for qualified students, under the guidance of a member of the faculty. Repeatable to a maximum of 6 credit hours.
Prerequisite: Advancement to candidacy; consent of instructor and director of graduate programs