New proposals - Courses

MGS 632 – Seminar in Health Information Systems

This course provides an exposure to Information Systems used in the delivery of healthcare. Specifically this course will introduce students to IT systems that are deployed at a variety of organizations such as Hospitals, Ambulatory Care, Home Health, Tele Health and Online communities to better understand how information is gathered, analyzed and disseminated. The course will include content relating to IS Effectiveness and Success, task-technology fit, IT Communications and Compliance, IT Risk modeling and assessment, business modeling of innovations in healthcare services and delivery, and business performance issues relating to the deployment of IT. The course focuses on how current and emerging technologies can be better utilized to improve access, quality of care and business efficiency.

MGS 634 – Integrative approaches to Healthcare Management

This course provides managerial and strategic perspectives on improving the planning, deployment and delivery of healthcare services enabled by IT. Effective healthcare management requires innovative approaches that integrate people, processes and technologies in healthcare organizations and services. Whether in IT, finance, operations, marketing, or any other domain, aspiring leaders in the healthcare field need to understand the US healthcare system, and the opportunities and challenges arising from the healthcare information revolution, especially as it relates to patient safety, quality of healthcare, and profitability. This course will elucidate broader perspectives on creating and leading a variety of healthcare initiatives in our contemporary society.

MGS 657 – Online Analytical Processing: Data Warehousing with SAS

In large organizations data invariably resides in multiple-platforms and in multiple formats. Therefore, it becomes essential to pre-process the data at appropriate levels of normalization for meaningful analysis. Extraction, transformation and loading data into structures such as data marts and data warehouses are essential steps to predictive data modeling and mining. Data mining begins with a basic understanding of where the data is stored and how it can be assembled for analytical purposes. This course provides an introduction to data warehouse design, data cleansing, exploration and visualization along with SAS programming basics.

MGS 653 – Social Network Analytics

The aim of the course is to provide students with an overview of measures, models and methods of analysis that can be used to study social networks to further business interests within organizations using data from internal and external IT data sources. The focus of the course will be on modeling methods and IT tools to analyze large volumes of data for predictive and descriptive analysis. Students will also learn the use of standard statistical software packages such as SAS and special network analysis software.