BYGB 7988. Bus Perf Mgmt Risk Analytics. (3 Credits)
This course aims to develop a good understanding of knowledge required and techniques available to enable managers to measure and manage business performance within their organization. The role of business analytics in enabling business performance and risk management is emphasized. The application of analytics to such concepts as balanced scorecard strategy maps, KPI, corporate metrics, corporate governance information communication and dissemination, compliance and regulation assessment and reporting and information assurance is hallmark of this course. The social, ethical, and behavioral dimensions of the role of technology in analytics and performance management are discussed. Students will work on case studies and also engage in a capstone project involving analytics with a tool such as Cognos Insights.

BYGB 7990. Big Data Analytics. (3 Credits)
As organizations today generate and store massive amounts of data, they face the key challenge of analyzing the data to gain key insight to make informed decisions. Traditional relational models of data storage and use appear to be ill-suited for these large data sets. Alternative distributed, cloud-based approaches have emerged to handle these big data sets. Frameworks such as the Hadoop platform including the Hadoop Distributed File System (HDFS) and MapReduce (M/R) framework at its core, allows for distributed processing of large data sets across clusters of computers using the Map and Reduce programming model. It is designed to scale up from a single server to thousands of machines, offering local computation and storage. This exploratory course discusses the contemporary topic of big data analytics and introduces Hadoop and related technologies in an introductory fashion. Topics include big data analytics life cycle, technologies, development and management, privacy and security, governance, examples and others. Students will work on workshops and assignments in Hadoop on the Amazon Web Services cloud.

Prerequisite: BYGB 7967.

BYGB 7999. Tutorial. (3 Credits)
Tutorial in Business Analytics.