INFORMATION TECHNOLOGY MANAGEMENT (ITM)

ITM 5930 - Special Topics
Credit(s): 3 Credits (Repeatable for credit)

ITM 5980 - Graduate Reading Course
Credit(s): 1-3 Credits

ITM 6000 - Managing Information Technology
Credit(s): 3 Credits
This course describes the role of IT in organizational strategy. Topics covered include cloud base technologies, Internet applications and emerging technologies. This course emphasizes the concepts underlying enterprise systems and identifies challenges in managing security and risks in IT infrastructure.

ITM 6300 - Database Management Systems
Credit(s): 3 Credits
Course provides an overall understanding of database techniques, beginning with a study of the characteristics of relational database management systems and continuing with structured query language (SQL), entity–relationship diagrams, dependencies and normalization, and multi-user systems. Evolving approaches to database management, such as object-oriented database, will also be examined. Projects will require the student to develop a database design from the analysis stages to the final implementation by utilizing various design tools and a DBMS package such as Oracle.

ITM 6400 - Applied Business Analytics
Credit(s): 3 Credits
This course provides necessary skills for business managers to apply Business Analytics tools for data analysis and business decision making. This course focuses on developing skills and knowledge in creating analytics solutions such as Business Intelligence Dashboards. Using hands on tutorials and case studies, students will learn and demonstrate application of analytics skills in multiple business domains.

ITM 6450 - Business Strategy and Enterprise Systems
Credit(s): 3 Credits
This course serves as an introduction to ERP and also provides a solid foundation for the common business processes used in today’s organizations. In this course, students will learn about common business processes and gain proficiency in the use of the SAP® enterprise system to execute those processes. Students will also learn how to manage a company that involves trading goods as well as a manufacturing enterprise. Students will have to create strategies to be successful in a competitive environment.

ITM 6500 - Managing Cybersecurity in Organizations
Credit(s): 3 Credits
This course will help students to develop the skills required to manage a cybersecurity program to effectively cope with rising threats. The course is designed primarily for MBA students who will become managers or business professionals in a network e-business enterprise. Offered fall and spring.

ITM 6550 - Big Data in Organizations
Credit(s): 3 Credits
Through lectures, guest speaking series, readings, practical techniques, real-world examples, and hands-on exercises, we will explore the Big Data landscape, its ecosystem, market players, technologies involved, open source software and programs, methodology, step-by-step approach, to begin a corporate strategy around big data. We will show how to decompose current business strategies in order to link big data initiatives to the organization’s value creation processes, and identify big data use cases. This course will help students understand the essentials of Big Data, directing them to various tools that can facilitate the big data usage in their organizations, and prepare them to be valuable Big Data professionals.
Prerequisite(s): OPM 5020 with a grade of C or higher

ITM 6930 - Special Topics
Credit(s): 3 Credits (Repeatable for credit)

ITM 6980 - Independent Study
Credit(s): 1 or 3 Credits (Repeatable for credit)