INFORMATION TECHNOLOGY MANAGEMENT (ITM)

ITM 700 Communications for IT Professionals   3.00
This course focuses on developing organizational communication skills for IT professionals. Topics include crucial conversations, evidence-based decision making, and change management strategies for organizational transformation. This course also emphasizes the development of organizational and interpersonal communication skills relating to cultural sensitivity, diversity, and ethical issues in the IT field.
Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 705 Leading the IT Function   3.00
Focusing on the application of management and leadership theories, students will explore their own personal assets and liabilities to become an effective leader and change agent in a complex adaptive system. Students will be introduced to strategic planning processes, as well as IT governance and ethical considerations.
Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 710 Finance for IT Managers   3.00
Frame financial decisions within general and project accounting principles. Topics include; pro forma financial statements, time value of money, cash flows and equivalence, depreciation, net present value, rate of return, and ratio analysis. Prepare budgets that prioritize projects within constraints, address uncertainty and intangibles, and integrate with project scheduling.
Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 715 Data Science   3.00
Addresses issues for developing, managing and supporting data-driven decision-making in the organization. Topics include data analytics, data warehousing, machine learning, and artificial intelligence, as well as the ethical collection, use and application of data.
Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 720 Cloud Computing and Enterprise Applications   3.00
Leverage cloud services to streamline computing resources, deploy enterprise applications, improve user access and system reliability, and utilize advanced computing capabilities. Discuss implementation of innovative technologies. Examines the services available, along with deployment strategies, evaluation criteria, economic justification, and manageability.
Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 725 Enterprise Security   3.00
Explores technical, administrative, ethical and physical aspects of IT security. Investigates various threats within IT and fraud. Applied information classification to the design of information, network and physical security. Evaluates the business processes of risk, business continuity, audit, and the risk within software development.
Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 730 Agile and Traditional IT Project Management   3.00
Examines project management concepts as applied to IT projects; covers traditional PMBOK techniques such as project identification, selection, procurement, and cost /schedule preparation and monitoring. Introduces agile IT project management concepts including Scrum and Extreme Programming. Requires students to apply these concepts to group projects.
Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 735 Business Analysis and System Development   3.00
This course focuses on the importance, role, and techniques of the business analysis function in the modern IT organization. This course is organized around the six knowledge areas and associated techniques of the Business Analysis Body of Knowledge (BABOK) specified by the International Institute of Business Analysis.
Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 740 IT Operations   3.00
This course explores best practices and techniques for managing IT infrastructure and operational environments in support of the organization's strategic goals in the development and deployment of applications and services. Coverage includes network infrastructure; servers and devices; computer operations; service management; facilities; help desk services, DevOps, process automation and governance frameworks.
Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 754 Capstone Preparation   1.00
Students select their capstone project, create a plan, define deliverables, secure approval and complete setup of their development environment. Students review concepts necessary for completion of the capstone including Agile project management, systems analysis and communicating with technical and non-technical audiences. Additional topics may be included.
Prerequisites:
Prerequisite for enrolling in ITM 754 Capstone is completion of ITM 730 or co-enrollment with ITM 730; available after completing 21 credits

Typically Offered:
  • Fall, Spring, and Summer Terms

ITM 755 Capstone   3.00
In this course, students complete the projects approved in the Capstone Preparation course. This course includes the management, development and delivery of an information technology project to a client or employer, including regular communication of status to both technical and non-technical audiences
Prerequisites:
Admission to the MS Information Technology Management program and ITM 754

Typically Offered:
  • Fall, Spring, and Summer Terms