PROJECT MANAGEMENT (PM)

PM 430 | FUNDAMENTALS OF IT PROJECT MANAGEMENT | 4 quarter hours
(Graduate)
This course concentrates on monitoring, managing and controlling assets and resources on a single IT project. Topics covered are project methodologies; risk management; procurement and contract management; time and cost estimating; controlling and tracking techniques; quality assurance; testing and audit. Students will use common project management software for resource allocation and balancing.

PM 440 | COLLABORATIVE TECHNOLOGIES FOR LEADING PROJECTS | 4 quarter hours
(Graduate)
Study of the process of virtual teaming with emphasis on facilitation of different time project activities and facilitation of same time meetings. Students will learn how small group psychology and group communication theories inform specific behaviors in the design and leadership of meetings. Several meeting types including information briefing, focus group, document writing, decision making, requirements gathering, and teaching/training will be explored. In addition, the course surveys current collaboration technologies and discusses how to select among those technologies usability and fit to purpose of a meeting agenda. DL students may be required to schedule same time sessions with the instructor and other DL students; see current quarter syllabus for more information on this point.

PM 535 | INFORMATION TECHNOLOGY INVESTMENT FINANCIAL ANALYSIS | 4 quarter hours
(Graduate)
This course focuses on the application of financial analysis and decision-making approaches to aid information technology investment decisions at the operational, project, tactical and strategic levels. Students will learn how to apply a variety of financial methods -- breakeven analysis, present value analysis, profitability index, and return on investment to various IT investment decisions. The course will also address cost benefit analysis, outsourcing, balanced scorecard, and multi-factor scoring, benchmarking, and IT investment portfolio methods. These techniques will prepare students to manage capital budgets, acquisition of system and application software, hardware, personnel, and professional services at project and system levels as well as enterprise investment portfolio.
SE 477 or IS 565 or ACC 500 or IS 430 or PM 430 or ECT 455 is a prerequisite for this class.

PM 556 | ENTERPRISE PROJECT MANAGEMENT | 4 quarter hours
(Graduate)
This course covers how an enterprise coordinates and effectively manages all its IT projects and programs through program management and the IT program management office. Students will learn the role of the IT program management office in establishing and maintaining the project and program infrastructure and in assisting project managers, program managers, and the executive steering committee. Students will analyze the role of program management in coordinating the delivery of expected program benefits, in managing stakeholder expectations, and in establishing program governance.
IS 430 or PM 430 is a prerequisite for this class

PM 570 | ENTERPRISE SYSTEM IMPLEMENTATION | 4 quarter hours
(Graduate)
This course is targeted towards information systems professionals who are involved in the planning and implementation of large scale, cross-functional enterprise systems. Students will examine the characteristics of technology efforts that change and transform the way people perform their tasks and how the new technology structures the flows of information and decision making using workflow modeling methods. Through case studies and exercises students gain insights into the elements of successful implementations leading to the preparation of a change management plan. Emphasis is placed on developing mechanisms for communicating and training all affected agents.
IS 430 or PM 430 or completion of five or more other SoC MS level courses is a prerequisite for this class; contact instructor or advisor

PM 577 | IT PORTFOLIO MANAGEMENT AND STRATEGIES | 4 quarter hours
(Graduate)
This capstone course integrates the skills and techniques learned in previous IT Project Management courses. Through in depth analysis of case studies and readings, along with presentations by outside speakers experienced in IT Portfolio Management and IT strategy, students use their skills from previous IT project management courses to solve IT strategic and IT portfolio problems. The course starts with formulating the IT strategy from the corporate strategy. Then the IT Portfolio of initiatives, projects and assets is build and fine tuned. PREREQUISITE(S) IS 556 or PM 556.