Brooklyn College
Department of Computer & Information Sciences

CISC 7530 [761] IT Project Management
37½ hours plus conference and independent work; 3 credits

The project and the role of the project manager. Project life cycle and phases of a project. The project management plan, obtaining stakeholder buy-in, integrating business and IT expertise into the design. Managing an ongoing project, change control and scope-creep management. Time management scheduling using time management software - Gantt charts, Critical Path Method (CPM) and Program Evaluation and Review Technique (PERT). Cost estimation, project budgeting and cost control. Quality control tools and techniques. Building, managing and motivating a project team. Monitoring and managing risk. Bringing a project to closure.

Objectives of Course:
Provide students with a basic understanding of project management principles, practices, tools and techniques.
Increase the student's ability to function effectively on a project team.
Increase the student's ability to function effectively as a project manager.
Improve the student's ability to communicate effectively both orally and in writing.

Outcomes Anticipated for Course:
The student will gain knowledge in the project process and the various stakeholders that
    participate in a project
The student will be better able to participate in planning a project from start to finish
The student will gain knowledge of project management tools and techniques for
    budgeting and scheduling

Course Outline:

Week 1: An Introduction to Project Management
The concept of modern Project Management and how it is practiced in today's environment.
The differences between Product, Project, and Program management and the impact of organizational structures and industry type on project management.
Week 2: Roles of Process Groups
The five project management process groups, and the nine knowledge areas that make up the Project Management Body of Knowledge.
Week 3: Project Scope
Establishing the project scope and defining project deliverables.
Week 4: Defining and Sequencing of Project Deliverables
The study of project scheduling techniques to serve as the project roadmap. Keeping activity on track and measuring performance toward achieving the project's goals.
Week 5: Resource Planning for Internal Deliverable

Methods for determining resource requirements and acquiring those resources from within the company. The build-or-buy decision.

Week 6: Defining the RFP and External Deliverables
The process of soliciting and selecting vendors for the project.

Week 7: Cost Management
Establishing the project budget and analyzing budget variances.

Week 8: Midterm Exam

Week 9: Risk Identification and Analysis
Identify risky events, measure the element of risk, and develop responses to high-risk events.

Week 10: Establishing the Project Management Team
Identifying project team members and structuring a successful project team.

Week 11: Keeping the Project on Track
Define the project's quality standards and how performance to those standards will be measured.

Week 12: Managing Project Change
Handling formal and informal change, how to identify and evaluate change and incorporate change into the project plan.

Week 13: Communications Management Communication planning between the project team, project sponsors and stakeholders

Week 14 Project Closing Procedures
Project data collection and performance reporting. Closing procedures that bring the project to a successful conclusion.

Method of evaluation: Midterm exam (30%), homework and project (35%),final exam (35%)

Bibliography:

C. Gray, E. Larson, Project Management – The Managerial Process, McGraw-Hill Irwin, 4th edition, 2008.

K. Schwalbe, Information Technology Project Management, 4th edition, Thomson Course Technology, 2006.

G. Richardson, C. Butler, *Readings in Information Technology Project Management*, Thomson Course Technology, 2006.