CIS 348 – IT Project Management

Course Description

This course examines the processes, methods, techniques, and tools that organizations use to manage their information technology projects in accordance with the Project Management Institutes Project Management Body of Knowledge (PMBOK®). Emphasis is placed on the methodology and project management software for initiating, planning, executing, controlling, and closing technology projects. Topics include various types of technologies to support group collaboration and the use of resources from within the firm as well as contracted from outside the organization.

Instructional Materials

Marchewka, J. T. (2012). *Information Technology Project Management* (4th ed.). Hoboken, NJ: John Wiley & Sons.

Course Learning Outcomes

1. Initiate, specify, and prioritize information technology projects, and determine various aspects of feasibility of these projects.
2. Describe the foundations of project management, including its definition, scope, and the need for project management in the modern organization.
3. Explain and apply the phases of the project management life cycle.
4. Describe best practices and approaches in managing and leading technology project teams to include communication to internal and external stakeholders.
5. Develop processes that initiate technology projects, including project selection and defining project scope.
6. Analyze and develop project schedules with appropriate techniques and software tools.
7. Prepare strategies to manage project resources to include human resources, capital equipment, and time.
8. Compare strategies in managing project quality and identification of the threats to technology projects.
9. Identify project risk, and the techniques for ensuring project risk is managed and controlled in a technology setting.
10. Summarize the project procurement process including external acquisition and outsourcing.
11. Design project execution activities including change control and communicating project status.
12. Summarize methods to control technology projects through information tracking and cost and change control techniques.
13. Evaluate the ethical issues in complex project environments.
14. Identify and plan communication strategies for project constituents and stakeholders across global teams and those internal to the organization.