
SECTION HEADING

CST 2400: IT Project Management

Description

Information Technology Project Management will apply all ten project management knowledge areas and all five process groups to information technology projects. The project management knowledge areas are project integration, scope, time, cost quality, human resource, communication, risk, procurement, and stakeholder Management. The five process groups are initiating, planning, executing, monitoring and controlling, and closing. There will be an emphasis on IT projects and use of software tools. This class will help students prepare for Project Management Institute (PMI) certifications, such as Project Management Professional (PMP®) and Certified Associate in Project Management (CAPM®).

Credits

3

Topics to be Covered

1. The Project Management Process
2. Project Integration Management
3. Project Scope Management
4. Project Schedule Management
5. Project Cost Management
6. Project Quality Management

Learning Outcomes

1. Explain what a project is, provide examples of IT projects, list various attributes of projects, and describe constraints of project management.
2. Summarize organizations, including the four frames, organizational structures, and organizational culture.
3. Describe several templates for creating documents for each process group.
4. Discuss the strategic planning process and apply different project selection methods.
5. Describe the process of planning scope management.
6. Define activities as the basis for developing project schedules.
7. Explain the main outputs of the quality control process.
8. Discuss resource management planning and be able to create a human resource plan, project organizational chart, responsibility assignment matrix and resource histogram.
9. Explain basic project cost management principles, concepts, and terms.

Credit Details

Lecture: 2

Lab: 1

OJT: 0