DSCI 421 : Project Planning and Budgeting

A. Course Description

Credits: 4

Prerequisites: DSCI 420 Project Management or its equivalent.

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

The primary focus of this course is to master project management tools and techniques. Topics covered include a review of principles of project management, project scheduling, budgeting and cost estimation, resource allocation, and information system using Microsoft Project. Use of Simulation as a tool for Earned Value Analysis (EVA) and risk assessment is also emphasized.

B. Course Effective Dates: 08/27/2005 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Understand the process of project selection.
2. Compare various projects quantitatively using advanced financial tools.
3. Identify key concepts in project budgeting.
4. Analyze the issues related to managing the risk associated with a project.
5. Demonstrate ability to plan a complex project.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: For those students without prior experience in project management, it is recommended to take DSci 420 Project Management before taking this course.