Master Syllabus

Administrative Unit: Computer and Mathematical Sciences Department

Course Prefix and Number: CISS 365

Course Title: Project Management

Number of Credit Hours: 3 Lecture Hours: 3 Laboratory Hours: 0

Catalog Description: An introduction to project management issues associated with information technology projects including project definition, organizational structures, risk factors, quality management, and procurement management. Prerequisite: CISS 320 (325). Offered Even Fall.

Prerequisite(s)/Corequisite(s): CISS 320 (325).


Course Objectives:

- To provide students with a clear understanding of the unique risks, issues and critical success factors associated with technology projects.
- To introduce students to the role and function of project management.
- To examine techniques for managing project quality.
- To examine techniques for managing project procurement.
- To examine basic methodologies for software design, development, testing and implementation.
- To examine various techniques for managing a software development team.
- To understand the need and techniques for managing users and user expectations.

Measurable Learning Outcomes:

- Identify risk factors and success factors.
- Explain the role of project management.
- Explain requirements of engineering.
- Identify stages in the process life cycle.
- Discuss project quality management issues.
- Prepare a risk management plan.
- Develop a set of metrics for project management.
- Identify appropriate team organizational structures.

Topical Outline (major areas of coverage):

- Project definition
- Project parameters
• Scope and requirements creep
• Quality management
• Risk management
• Risk management
• Configuration management
• Estimating duration, resource requirements and cost
• Project network diagrams
• Managing the project team

Recommended maximum class size for this course: 20

Library Resources: Online databases are available at http://www.ccis.edu/offices/library/resources.asp. You may access them from off-campus using your eServices login and password when prompted.

Prepared by: Lawrence West
Name ___________________________ Signature ___________________________

Date: November 1, 2005

NOTE: The intention of the master syllabus is to provide an outline of the contents of this course, as specified by the faculty of Columbia College, regardless of who teaches the course, when it is taught or where it is taught. Faculty members teaching this course for Columbia College are expected to facilitate learning pursuant to the course objectives and cover the subjects listed in the topical outline. However, instructors are also encouraged to cover additional topics of interest so long as those topics are relevant to the course’s subject. The master syllabus is, therefore, prescriptive in nature but also allows for a diversity of individual approaches to course material.

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