A. Protocol

Course Name: Systems Project Management
Course Number: CIS 354
Credits: Three (3)
Prerequisites: CIS 299 Systems Analysis I with a C- or better
Maximum Class Size (face-to-face): 35
Maximum Class Size (online): 35
*Justification for online class size is due to the highly-technical nature of the course.

B. Objectives of the Course:
Upon completion of this course the student will be able to:

a) Distinguish between project life cycle management and the systems development life cycle.

b) Define the major components of an information system project plan and the impact of managing the change control process including such things as software integration planning, version control and application recovery or ‘back out’ strategy as a contingency.

c) Fully understand computer-systems integration as an explicit requirement to be addressed in systems project planning.

d) Plan the delivery of a computer-enabled business solution to a client while remaining within the project constraints (time, money) set forth by the business.

e) Develop system standards in order to measure the success of project milestones, and to use such standards to monitor the project scope in order to stop “scope creep” without hindering user acceptance as their system expectations evolve over time.

f) Use MS-Project as a tool to oversee and manage the information systems project tasks and their successful integration into a streamlined computer-enabled process that meets the overall business goals.

C. Catalog Description:
This course, taken from the latest Model Curriculum for Information Systems (IS 2002) is intended for CIS or CS majors. Building on the systems analysis and design concepts of CIS 299, this course focuses on the management and completion of a systems-software development project. Both technical and behavioral aspects of project management are applied within the context of an information systems development project. Prerequisites: CIS 299 Systems Analysis I with a C- or better. Three credits.

D. Outline of the Course:

a) Managing the system life cycle
   a. Requirements determination
   b. Design
   c. Testing from Systems Integration to User Acceptance and QA testing
   d. Version Control
   e. Integration planning and preparation of a “back off” strategy
   f. Implementation

b) System and database integration issues

c) Network management

d) Project Tracking
   a. Standards and metrics for system benchmarking
b. System performance evaluation
e) Managing expectations of managers, clients, team members and others
f) Determining skill requirements and staffing for information systems projects
g) Cost-effective analysis given business constraints and user needs
h) Reporting and presentation techniques
i) Management of behavioral and technical aspects of a systems software development project
j) Software tools for project tracking and monitoring
k) Team collaboration techniques and tools

E. Teaching Methodology:

1) Traditional Classroom Methodology

This course will be taught using the lecture/discussion method and cooperative group method during appropriate sections of the course.

2) Online Methodology

This course will be taught using a variety of methods including lecture videos, activities, group collaborative learning, and discussion boards.

Quality Matters™ Statement – The online course follows the standards of the Quality Matters™ rubric. An online homework system is required in this course.

F. Text

A vast array of texts from a variety of publishers is available to teach this course. Some of these include:

Angerame, Billows. *Managing IT Projects*. Project Management Institute, 2005


*Guide To The Project Management Body of Knowledge (PMBOK Guides)*, Project Management Institute, 2005

Liebowitz, Agresti, Djvanshir. *Communicating as IT Professionals*, Prentice Hall, 2006


G. Assessment Activities:

1) Traditional Classroom Assessment
Various assessment methods are used, at the discretion of the instructor, and can include exams, quizzes, tutorials, homework assignments, programs/projects/labs. An online homework submission system is used in this course.

2) Online Assessment

Various assessment methods are used, at the discretion of the instructor, and can include exams, quizzes, homework assignments, wikis, online journals and projects. An online homework system is required in this course.

H. Accommodations for Students with Disabilities:

OSD
Revised December 2012

STUDENTS WITH DISABILITIES

Students with disabilities:

- Reserve the right to decide when to self-identify and when to request accommodations.
- Will register with the Office for Students with Disabilities (OSD) each semester to receive accommodations.
- Might be required to communicate with faculty for accommodations, which specifically involve the faculty.
- Will present the OSD Accommodation Approval Notice to faculty when requesting accommodations that involve the faculty.

Office for Students with Disabilities

Requests for approval for reasonable accommodations should be directed to the Office for Students with Disabilities (OSD). Approved accommodations will be recorded on the OSD Accommodation Approval notice and provided to the student. Students are expected to adhere to OSD procedures for self-identifying, providing documentation and requesting accommodations in a timely manner.

Contact Information:

- Location: Azorsky Building – Room 105
- Phone: (724) 938-5781
- Fax: (724) 938-4599
- Email: osdmail@calu.edu
- Web Site: www.calu.edu (search “disability”)

I. Supportive Instructional Materials, e.g. library materials, web sites, etc.

Library Materials:
Books located in the PILOT catalogs, library databases (Ebscohost, CIOS, Proquest, Lexis-Nexis) which include books, journals, magazines, and newspapers. Examples of holdings at the Louis L. Manderino Library are:


**Internet Access:**
Of particular use to this course, for current events and developments, are various web sites, such as:

Project Management Institute:  [http://www.pmi.org](http://www.pmi.org)

News and Current Events   [http://www.library.cup.edu/ref-news.html](http://www.library.cup.edu/ref-news.html)

General (news)   [http://voyager.ship.edu/remote/validate.cgi?db=LEXIS](http://voyager.ship.edu/remote/validate.cgi?db=LEXIS)

Copyright and Fair Use   [http://www.library.cup.edu/copyright.html](http://www.library.cup.edu/copyright.html)
Information for Course Proposals

J. Proposed Instructors: Dr. Gina Boff, Dr. Gary DeLorenzo, Dr. Lisa Kovalchick, Dr. Tony Rodi or any other tenure-track CIS faculty from the Department of Mathematics, Computer Science and Information Systems.

K. Rationale for Course: Course already exists and being updated for Global Online delivery.

L. Specialized Equipment or Supplies Needed: None

M. Answer the following questions using complete sentences:

1. Does the course require additional human resources? No, the course is already being taught.

2. Does the course require additional physical resources? No. The current physical resources on campus can accommodate the teaching of this course.

3. Does the course change the requirements in any particular major? No.

4. Does the course replace an existing course? No, this course does not replace any existing courses.

5. How often will the course be taught? This course will be taught once every year.

6. Does the course duplicate an existing course in another Department or College? No.

7. What is the recommended maximum class size for this course? Recommended class size for this course is 35 for online sections, due to the highly-technical nature of the course.

N. If the proposed course includes substantial material that is traditionally taught in another discipline, you must request a statement of support from the department chair that houses that discipline. This course does not include substantial material from another discipline.

O. Please identify if you are proposing to have this course considered as a menu course for General Education. If yes, justify and demonstrate the reasons based on the categories for General Education. The General Education Committee must consider and approve the course proposal before consideration by the UCC. No; this course will not be offered on the GenEd menu.