**California State University Channel Islands**
**New Course Proposal**

Program Area: Computer Science

1. **Catalog Description of the Course.**
   **IT 499 BSIT Capstone (2)**
   Two hours lecture per week
   Prerequisites: MGT 471  and Senior standing in the BSIT program
   Implement a realistic Information Technology project. Identify project goals in consultation with an industry representative. Produce the project requirements, design and complete documentation. Implement the project design, test and debug the system. Present the project results to the class and the industry representative. Work in teams.

2. **Mode of Instruction.**

| | Units | Hours per Unit | Benchmark Enrollment |
|---|---|---|---|
| Lecture | 2 | 1 | 24 |
| Seminar | 0 | 0 | 0 |
| Laboratory | 0 | 0 | 0 |
| Activity | 0 | 0 | 0 |

3. **Justification and Learning Objectives.**
   Justification: BSIT required course.
   Learning Objectives:
   Students who successfully complete this course will:
   1.Use skills acquired in program in completion of significant project
   2.Be able to identify project requirements.
   3.Be able to plan a project with a set of milestones and tasks.
   4.Be able to make a project schedule for a specific application.
   5.Be able to present the status of the project.
   6.Be able to identify project risks and benefits.

4. **Is this a General Education Course?**
   No.

5. **Course Content in Outline Form.**
   Topics:
   1.Project Identification.
   2.Project Requirements.
   3.Project Plan.
   4.Project Design.
   5.Project Design Review.
   6.Project Test Plan.
   7.Project Presentation.

6. **Cross-listed Courses.**
   None.

7. **References.**

| Title | Author | Publisher | Year | ISBN |
|---|---|---|---|---|
| 1. People in Projects | Project Management Institute | Project Management Institute | 2001 | 1880410729 |
| 2. Project Management: A Systems Approach to Planning, Scheduling, and Controlling | Harold Kerzner | Wiley | 2003 | 0471225770 |
| 3. Information Technology Project Management | Schwalbe | Course Technology | 2001 | 0619035285 |

8. **Faculty Qualified to Teach This Course.**
   Qualified Faculty: Grzegorczyk,Smith,Wolfe

9. **Frequency.**
   Projected semesters to be offered: Fall, Spring, Summer

10. **New Resources Required.**
   a. New Equipment needs: Use of existing computer lab.
   b. New Library needs: none
   c. New Space/Facilities needs: none

11. **Program Modifications.**
   None.

12. **Proposer of Course.**
   Proposer: Smith, Wolfe  Date: 7/13/2004