

**GOVERNORS STATE UNIVERSITY**  
**MIS-402**  
**BUSINESS SYSTEMS DESIGN AND PROTOTYPING**  
**SPRING/SUMMER 2001**

GSU ARCHIVES  
MIS 402  
SPR 01

**CLASS:** M,W:7:30-10:20  
**SECTION:** BLOCK 2  
**CREDIT HOURS:** 3  
**ROOM:** D2433  
**INSTRUCTOR:** DR. DALSANG CHUNG  
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**OFFICE HOURS:** M, W 5:00- 7:30

Textbook: Systems Analysis and Design, by Dennis, Alan and Wixom, Barbara Haley, John Wiley & Sons, 2000.

I. Course Description:

Introduction to systems design and application prototyping presents several methods for extracting, presenting, and refining a business users needs by building a working model with the help of software tools. Includes the basic concepts of structured design, specification languages, and systems implementation. Emphasis will be on business systems development using CASE tools. *Prerequisites:* MIS401 *within one year*, MIS370 *within two years*, and MIS 420

II. Goals:

1. Review analysis, design and prototyping basics
2. Learn and utilize appropriate CASE products
3. Design a small project
4. Develop design documents supporting the small project

III. Methodology:

1. Class lectures
2. Hand-on computer use
3. Computer assignments
4. Library Research
5. Question-answer sessions

6. Case discussion
7. Library assignments to read extra materials

#### IV. Course Requirements:-

1. Every student must have textbook, and read the textual materials in advance as assigned by the instructor
2. Each student must take all exams including final.
3. Each student must turn in the computer assignment or project on time before the class session starts. The late computer homework will be accepted by with the instructor's consents
4. Every student must participate in the class discussions
5. Each student must attend all the class sessions. The class attendance will be taken into account in computing the mid-term and the final course grade.

#### V. Course Evaluation

The course evaluation is designed to incorporate both the performance and the capability of each student specific measures used include Project, Computer assignments, the Exams

Exam 1	20
Exam 2	20
Exam 3	20
Project or Assignments	40

MIS 402  
PROJECT OUTLINE

TITLE PAGE

TABLE OF CONTENTS

1. INTRODUCTION
2. STATEMENT OF PROBLEM
  - A. Objective of Study
  - B. Scope
  - C. General Discussion
3. ANALYSIS OF PROBLEM
  - A. Knowledge Worker sin this System (include organization chart)
  - B. Business Mission of System
  - C. Information System Functions Provided by the System
  - D. Components of the System
  - E. Detail Flowchart and/or Data Flow Diagram
  - F. Narrative Description of Flowchart and/or Data Flow diagram
  - G. Other Charts as needed
    - 1.
    - 2.
    - 3.
  - H. Resources Required
    1. Personnel
    2. Materials and Supplies
    3. Equipment
    4. Budget
  - I. Other Elements of the System
    1. Feedback
    2. Controls
    3. Constraints
  - J. Cost Analysis
4. SUMMARY AND RECOMMENDATIONS
  - A. Summary Statement of Problem(s)
  - B. Recommendation(s)
5. APPENDICES (ALL FORMS AND FILES)
  - A. System Outputs and Data Element Analysis
  - B. System Inputs and Data Element Analysis