

COMPUTER INFORMATION SYSTEMS COURSE SYLLABUS

ITSE 1350: System Analysis and Design

BCIS 2390: System Analysis and Design

Course Description: Comprehensive introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools.

- I.** ITSE 1350 System Analysis and Design
BCIS 2390 System Analysis and Design

II. Textbook: Systems Analysis and Design, Eighth Edition. Authors: Gary Shelly and Harry Rosenblatt. Course Technology Publishing. Scantrons, number 19641.

III. Number of semester hours and length of course:

Three semester hours of college credit: Three lecture hours each week and one lab hour.

IV. General Requirements:

Comprehension of the use of Computer Information Systems to meet the needs of business in collecting, processing, and evaluating data and techniques. Development of several computer information systems applications in the business environment.

V. General Objectives:

- A. Acquaint student with the principles of several types of computer information systems equipment and applications.
- B. Analysis of information flow.
- C. Understanding system specifications and equipment selection.
- D. Implementation of the systems selected.
- E. Theory and concepts of application.
- F. Practical case studies.

VI. Major Divisions of the Course:

- A. Systems and Analysis and Design.
- B. Managing the Computer Information Systems Project.
- C. Information Systems Engineering.
- D. The Systems Development Life Cycle (SDLC)
 - 1. Systems Planning
 - 2. Systems Analysis
 - 3. Systems Design
 - 4. Systems Implementation
 - 5. Systems Operation, Support, and Security

Grading:

Test 1 Chapters 1, 2, and Toolkits 1 and 3	1/7
Test 2 Chapters 4, 5, and Toolkit 2	1/7
Test 3 Chapter 3, 6, and 7	1/7
Test 4 Chapters 8, 9, and 10	1/7
Final Exam Chapters 11 and 12	1/7
Homework/Daily Work	1/7
Project/Presentation	<u>1/7</u>
	100%