



UP System Information Technology Foundation, Inc.

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Course Title: **Systems Analysis and Design**

Course Description: By completion of this course, the student will understand the evolving methodologies for the analysis and design in developing information systems. They should be able to analyze a problem and design an appropriate solution using a combination of tools and techniques.

Course Requirements: None

Duration: Five (5) Days

Class Schedule: 9:00am to 4:00pm

Total Hours: 20 Hours

Course Contents:

Phase I: Systems Planning

- Introduction to Systems Analysis and Design
- Analyzing the Business Case
- Managing Systems Projects

Phase II: Systems Analysis

- Requirements Modeling
- Data and Process Modeling
- Object Modeling
- Development Strategies

Phase III: Systems Design

- User Interface Design
- Data Design
- System Architecture

Phase IV: Systems Implementation

- Managing Systems Implementation
- Managing Systems Support and Security

Phase V: System Analyst's Toolkit

- Communication Tools
- CASE Tools
- Financial Analysis Tool
- Internet Resources Tools

References:

- Hoffer, J. A., Modern Systems Analysis and Design (5th Ed)
- Shelley, G. B and Rosenblatt, H. J., Systems Analysis and Design (9th Ed)
- Kendall, K. E., Systems Analysis and Design