Date Prepared: June 10, 2004

COURSE OUTLINE

___ New _x_ Revised Effective Date: Fall 2004

1. **COURSE PREFIX NUMBER**: ITP 251 CREDIT HOURS: 3

2. **COURSE TITLE**: System Analysis and Design

3. **PREREQUISITES**: ITE 100 or equivalent

4. **COURSE DESCRIPTION**: Presents a structured approach to defining needs, creating specifications, and implementing new information systems. Teaches business-oriented, computer-based systems. Defines common processes and procedures. Includes data modeling, report generation, life cycle methodology, and traditional and structured tools for development.

5. **CONTENT**: (Major Headings)

   a. System Life Cycle
   b. Business system requirements.
   c. Project management tracking tools
   d. Guidelines on project estimating
   e. Guidelines on developing interpersonal skills
   f. Life cycle's "report and review" components

6. **GENERAL COURSE OBJECTIVES**:

   Upon successful completion of the course, the student will be able to

   a. understand the vastness of the responsibilities of the systems analyst and be able to define system requirements in order to demonstrate knowledge of systems analysis and design along with required project management objectives.
   b. gain a better understanding of the infrastructure of a business and how the information process is impacted. Knowledge of the political culture will be better understood after completing this course, which will assist in overall success of all application project assignments in the business world.