

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** ITP 251

**Credits:** 3

**Course Title:** System Analysis and Design

**Course Description:** Focuses on application of information technologies (IT) to system life cycle methodology, systems analysis, systems design, and system implementation practices. Covers methodologies related to identification of information requirements; feasibility in the areas of economic, technical and social requirements; and related issues. Software applications may be used to enhance student skills. Prerequisite: ITE 115 or school approval. Lecture 3 hours per week.

**Course Prerequisites and Co-requisites**

**Prerequisite:** ITE 115 or school approval

**Course Objectives:**

Upon completing the course, the student will be able to:

- a. Describe the vastness of the responsibilities of the systems analyst and be able to define system requirements in order to demonstrate knowledge of systems analysis, 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.

**Major Topics to Be Included:**

- 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

**Effective Date of Course Content Summary:** 10/16/2008