



Division:	Business	Area:	Computer Information Systems
Course Number:	CIS 205	Course Name:	Systems Analysis and Design
Prerequisite:	CIS 130		
Co-requisite:	None		
Hours Required:	Class: 45	Lab:	Credits: 3

Course Description/Purpose

This course is designed to guide the student in developing a system where computer hardware and/or software is to be installed or updated. The student will consider problems of data flow through the system. The student will undertake case studies involving data collection, current system analysis, recommendations, design, development and implementation of a new or updated computer system. Students may be required to design a full or partial system

Major Units

- Introduction to the system process
- Systems analysis and modeling
- System implementation and management
- Design project

Educational/Course Outcomes

Student learning will be assessed by a variety of methods, including, but not limited to, quizzes and tests, journals, essays, papers, projects, laboratory/clinical exercises and examinations, presentations, simulations, portfolios, homework assignments, and instructor observations.

Cognitive Each student will be expected to *Identify/Recognize...*

- Concepts pertaining to all of the Major Units

Performance Each student will be expected to *Demonstrate/Practice...*

- Systems development file cycle
- Modeling tools
- Structured methodologies
- Preliminary/detailed analysis
- Prototyping
- Design
- Output
- Input
- File
- Data Collective Screen
- Database
- Quality assurance and conversion
- Test and training
- Maintaining and managing the system process

10/29/2019: RH