Wayne County Community College District

COURSE SYLLABUS

CIS 260 System Analysis and Design

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:
This course is designed to introduce the systems design process in designing systems using project management techniques. Emphasis is placed on systems concepts and systematic thinking. Major topics include the basic tools and methods of traditional systems development, traditional analysis, design, and implementation through the data flow analysis and systems development life cycle approach, and methods for structured analysis and design.

PREREQUISITES: CIS 110, CIS 112

EXPECTED COMPETENCIES:
Upon completion of this course, the student will be familiar with:
- The Context of Systems Development Projects:
  - System Analysis/Design Methods & IS Building Blocks
  - Information System Development & Project management
- System Analysis Methods
  - System Analysis, Fact-Finding & Modeling Processing
  - Feasibility Analysis & System Proposal
- System Design Methods
  - System Design, Architecture & Modeling
  - Database, Output, Input, & Interface Design
- System Implementation & Operation
  - System Construction & Implementation
  - System Operation & Support

ASSESSMENT METHODS:
Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:
90%-100% = A
80%-89.9%= B
70%-79.9%= C
60%-69.9%= D
<60% = E