



COURSE SYLLABUS

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COURSE: CTS 285 SYSTEMS ANALYSIS & DESIGN

HOURS: Lecture: 3 Lab/Shop: 0 Work Exp/Clinical: 0 Credits: 3

COURSE DESCRIPTION:

This course introduces established and evolving methodologies for the analysis, design, and development of an information system. Emphasis is placed on system characteristics, managing projects, prototyping, CASE/OOM tools, and systems development life cycle phases. Upon completion, students should be able to analyze a problem and design an appropriate solution using a combination of tools and techniques.

PREREQUISITE(S): CIS 115

COREQUISITE(S): None

TEXTBOOK(S) & OTHER SPECIAL REQUIREMENTS:

To Be Determined

STUDENT LEARNING OUTCOMES:

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

1. Discuss and apply systems analysis and design principles.
2. Develop information systems plans based on business case analysis.
3. Describe requirements, modeling techniques and other methods to visualize and document new systems.
4. Develop a model of a proposed system.
5. Use OO techniques to document, analyze, and model an information system.
6. Prepare and present system requirements documentation.
7. Design effective user interfaces.
8. Discuss system architectures.
9. Complete system development assignments relative to non-American culture, greetings, common words and expressions, globalization and international awareness, financial dealings and currency, global data, and geographical and political knowledge.

*****Please refer to the online version of the Richmond Community College Program & Course Catalog and the Student Handbook for current academic and general information.**