CIS 235 - Requirements Modeling

5.0 Credits
Advanced course in business modeling methods which will provide students an understanding of various tools and techniques used by analysts. Topics include UML, CASE tools, conceptual design, and physical implementation. Enterprise Systems Analysis will be introduced. Prerequisite: CIS 250 and 233 with minimum grades of 2.5 or equivalent experience.

Course Objectives

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

1. Describe the roles of formal data and process modeling approaches for discovering and validating business information systems requirements. [REASON]
2. Discuss the various perspectives and aspects of an enterprise's information systems architecture that need to be considered when analyzing business requirements. [COMMUNICATE]
3. Recognize and describe the components of various types of models used by systems analysts. [REASON]
4. Choose appropriate modeling methods and tools for specific analysis situations. [REASON]
5. Use models to recognize common data design patterns and process archetypes. [REASON]
6. Use computer assisted systems engineering (CASE) and/or other diagramming tools to create models. [REASON]
7. Recognize and employ industry-standard diagramming notations when creating models. [REASON]
8. Plan and lead a facilitated joint application design (JAD) session, demonstrating the use of a modeling method. [REASON]