Northwestern CT Community College
Course Syllabus

Course Title: Introduction to Client Server Systems   **Course #:** CSC 236

Course Description: 3 credits. A course in the design and development of n-tier client-server applications. Students will develop both web and intranet solutions for multi-platform projects. Topics will include human computer interfaces, client application development, brokers and remote procedure calls, server programming and scripting, and database integration. Students will analyze case studies of real world applications, and build their own working versions.

Pre-requisite/Co-requisite: CSC 223

Goals: Students are expected to:
- Determine the appropriate tier architecture from design documents
- Define and exemplify remote procedure calls and message passing
- Understand and implement server side applications
- Compare and contrast the tools for server side development
- Compare and contrast interfaces to best suit application needs
- Write well-structured and documented OO applications with event-driven graphical user interfaces
- Master database connectivity and integration to solve real-world programming problems

Outcomes: Upon successful completion of this course students will be able to:
- Analyze and explain the design of multi-tier applications involved in typical business problems
- Demonstrate the use of Java in developing applications
- Explain the use of each server programming tool and where it is applicable
- Create an object broker to facilitate remote procedure calls
- Design, implement and test a server database application
- Apply the techniques of human-computer interaction to interface design
- Explain the difference between client based programming and server side programming