

## Master Syllabus

### CIS 2222 - ASP.NET with C#

**Division:** Business and Public Services

**Department:** Computer Information Systems

**Credit Hour Total:** 3.0

**Lecture Hrs:** 3.0

**Prerequisite(s):** CIS 1202

**Date Revised:** January 2014

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### Course Description:

This course introduces server side web programming to develop web applications based on ASP.NET technologies with Visual Studio. Students will learn how to develop ASP.NET applications employing web forms and data controls. Visual Studio will be used to develop these applications; Microsoft SQL Server will be used for database manipulations.

### General Education Outcomes:

- ▣ Critical Thinking/Problem Solving Competency
- ▣ Computer Literacy Competency

### Course Outcomes:

#### C# Syntax and Coding Conventions

Create Windows applications using C# syntax, instructions, and coding conventions.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher on a standard rubric

**Assessment Method:** Simulations  
**Performance Criteria:**

70% or higher on a standard rubric

#### Creating a Secure Site with Forms Authentication

Design secure log in pages and access a secured database.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher on a standard rubric

**Assessment Method:** Simulations  
**Performance Criteria:**

70% or higher on a standard rubric

#### Microsoft ASP.NET Web Application

Develop web applications using Microsoft's ASP.NET with C#.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

70% or higher on a standard rubric

**Assessment Method:** Simulations  
**Performance Criteria:**

70% or higher on a standard rubric

### Outline:

Understand web design and create web based applications with ASP.NET and C#

Understand the advanced features and programming techniques in C#

Understand the fundamental aspects of programming for internet based applications, including the client-server model, automated data processing and transfer over the web, interactive and executable web applications, user controls, HTML, XML, JavaScript, CSS, AJAX, JQuery, data sources, data sources, and web site deployment.