

CENTER FOR INNOVATIVE TECHNOLOGIES  
MASTER COURSE DOCUMENT

### CPDM 151 ASP.NET C# 1

**Course Description:** A course on the ASP.NET framework using C#. Topics include: introduction to C# language and syntax, Web forms, server controls, master pages, AJAX, and data driven applications.

**Prerequisites(s):** IT 101, IT 110, IT 111 (minimum grade C for all)      **Corequisite(s):** No corequisite

Lecture Hours: 2	Lab Hours: 3	Credit Hours: 3
Lab Fee: 105	Supplemental Fee: 0	Purpose:
<input type="checkbox"/> Transfer Assurance Guide Course (TAG)	<input type="checkbox"/> Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: <input checked="" type="checkbox"/> Web	<input type="checkbox"/> Hybrid	<input type="checkbox"/> Classroom
Semesters Offered: <input checked="" type="checkbox"/> Fall	<input checked="" type="checkbox"/> Spring	<input checked="" type="checkbox"/> Summer

#### Course Primary Text:

Title: Beginning ASP.NET 4 in C# and VB	Edition:
Author(s): Imar Spaanjaars	
Publisher: Wrox Publishing	

#### Supplemental Materials:

Visual Studio Professional
SQL Server Management Studio

#### Course Outcomes:

1	Be able to demonstrate ability to build ASP.NET 4 web pages
2	Use pre-built server controls to add features
3	Apply techniques for creating consistent looking web sites
4	Be able to implement jQuery and AJAX techniques in your web sites
5	Capable of working with databases and ADO.NET Entity Framework

#### Course Topics:

Week 1	Introduction to ASP.NET Writing first ASP.NET program
Week 2	Introduction web page design Introduction to ASP.NET Server Controls
Week 3	Writing Code Behind for ASP.NET

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Week 4	Master Pages for ASP.NET Navigation for ASP.NET
Week 5	Test 1
Week 6	Introduction to User Controls for ASP.NET Validation for ASP.NET
Week 7	AJAX for ASP.NET Incorporating jQuery for ASP.NET
Week 8	Review of databases Incorporating databases within ASP.NET
Week 9	LINQ and the ADO.NET Entity Framework
Week 10	Test 2
Week 11	Advanced topics on working with data
Week 12	Introduction to security
Week 13	Personalizing Web Sites HTML5 and ASP.NET
Week 14	Exception handling, debugging and tracing Deploying your web site
Week 15	Test 3

**Methods of Evaluation/Assessment**

Assignments – 50%
Discussion Board – 10%
Tests – 40%

Course Keeper: Bob Nields

Date Completed: 4/1/2019