CSC496/CSC584
Topics: Emerging Web Technology
Winter 2017-2018

In this course, we will use hands-on training to cover the concepts of web programming including RESTful web services. We will use ASP.NET Core and C# with Visual Studio 2017 Enterprise and TypeScript for our project development.

Prerequisite: Students must be familiar with Data Structures and Java/PHP Programming in one of CSC241, CSC515, or CSC516.

Part I: Fundamentals and C#
- Visual Studio 2017
- C# Programming
- .NET Core and Command Line Interface (CLI)

Part II: ASP.NET Core MVC Web Applications
- Razor Pages for ASP.NET Core MVC Web Applications
- ASP.NET Core MVC Web Application
- ASP.NET Core Web API and the RESTful Service

Part III: Working with Data
- Entity Framework Core
- Building Data Access layer with Entity Framework Core

Evaluation: 3 Projects (60%) and one Exam (40%)

References and Textbooks: (Subject to changes)
2. ASP.NET Core MVC (https://docs.microsoft.com/en-us/aspnet/core/)

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