

### ***Tentative Course Schedule***

<i><b>Week</b></i>	<i><b>In-class: Guided Exercises</b></i>	<i><b>On your own: reading, exercises, labs</b></i>	<i><b>Due</b></i>
<b>1</b> 1/10	<b>Intro to MVC</b> Publishing to Azure: <a href="https://docs.microsoft.com/en-us/aspnet/core/tutorials/publish-to-azure-webapp-using-vs">https://docs.microsoft.com/en-us/aspnet/core/tutorials/publish-to-azure-webapp-using-vs</a>	Skim Freeman Ch. 1 – Core MVC in Context Exercise 1: Freeman Ch. 2– Your 1 <sup>st</sup> MVC Application Read Freeman Ch. 3– The MVC Pattern Lab 1: Propose a web app term project	Tue Wed
1/12			Sat
<b>2</b> 1/17	<b>Controllers and Views</b> <ul style="list-style-type: none"> <li><a href="https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-controller">https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-controller</a></li> <li><a href="https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-controller">https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-controller</a></li> </ul>	Skim Freeman Ch. 4 – Essential Language Features Read Freeman Ch. 5 – Working with Razor Exercise 2: Do the Ch. 5 project Lab 1 Release version and completed code review form. Lab 2: Skeletal version of your web app with Razor	Mon  Wed Thu Sat
1/19			
<b>3</b> 1/24	<b>Unit Testing, Dependency Injection</b> <ul style="list-style-type: none"> <li><a href="https://docs.microsoft.com/en-us/dotnet/articles/core/testing/using-mstest-on-windows">https://docs.microsoft.com/en-us/dotnet/articles/core/testing/using-mstest-on-windows</a></li> <li><a href="https://docs.microsoft.com/en-us/aspnet/core/mvc/controllers/dependency-injection">https://docs.microsoft.com/en-us/aspnet/core/mvc/controllers/dependency-injection</a></li> <li><a href="https://docs.microsoft.com/en-us/aspnet/core/mvc/controllers/testing">https://docs.microsoft.com/en-us/aspnet/core/mvc/controllers/testing</a></li> </ul>	Skim: Freeman Ch. 6 – Working with Visual Studio (36 pages) Read Ch. 7 – Unit Testing MVC Applications (31 pages) Exercise 3: Do the Ch. 7 project Lab 2 Release version and completed code review form. Lab 3 Beta: Add unit tests to your web site	Mon  Wed Thu Sat
1/26			
<b>4</b> 1/31	<b>Models, Entity Framework and Scaffolding</b> <ul style="list-style-type: none"> <li><a href="https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-model">https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/adding-model</a></li> <li><a href="https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/working-with-sql">https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/working-with-sql</a></li> </ul>	Read Freeman Ch. 8 – SportsStore (pgs. 191 – 216) Exercise 4: Do the Ch. 8 project, stop before “Pagination”. Lab 3 Release version and completed code review form. Lab 4 Beta: Add EF and a database and publish	Mon Wed Thu Sun
2/2			
<b>5</b> 2/7	<b>Customizing Scaffolding</b> <a href="https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/controller-methods-views">https://docs.microsoft.com/en-us/aspnet/core/tutorials/first-mvc-app/controller-methods-views</a>	Read Freeman Ch. 8 (pgs. 216 – 234) Exercise 5: Finish the Ch. 8 SportsStore project Lab 4 Release version and completed code review form. No new lab assignment this week	Mon Wed Thu Sat
2/9			

<b>6</b> 2/14	<b>Navigation</b> Midterm review	Read Freeman Ch. 9 – SportsStore: Navigation (34 pages) Exercise 6: Do the Ch. 9 project	Mon Wed
2/16	Midterm exam	Lab 5: Add navigation to your web app	Sat
<b>7</b> 2/21	<b>Midterm discussion</b> <b>Forms and Tag Helpers</b>	Read Freeman Ch. 10 – SportsStore: Completing the Cart (22 pages) Exercise 7: Do the Ch. 10 project Lab 5 Release version and completed code review form. Lab 6 Beta: TBD	Mon Wed
2/23			Sat
<b>8</b> 2/28	<b>Annotation and validation</b>	Read Ch. 11 – SportsStore: Administration (28 pages) Exercise 8: Do the Ch. 10 and 11 projects. Lab 6 Release version and completed code review form. Lab 7: Add an administrative pages to your web app	Mon Wed Thu Sat
3/2			
<b>9</b> 3/7	<b>Authorization and Authentication</b>	Ch. 12 – Security and Finishing Touches Exercise 9: Do the Ch. 12 project Lab 7 Release version and completed code review form. Lab 8 Beta: TBD	Mon Wed Thu Sat
3/9			
<b>10</b> 3/14	<b>API Controllers</b> <b>Final Review</b>	Read Freeman Ch. 20 – API Controllers Exercise 10: Do the Ch. 20 project Lab 8 Release version and completed code review form.	Mon Wed Thu
3/16			
<b>11</b> 3/21	Finals Week <b>Final Exam</b>	No reading, exercise or lab.	