**Syllabus**

**Course:** Dynamic Web Language V

**Number:** DWD 278

**Prerequisite(s):** DWD 150; DWD 271; DWD273

**Date:** March 27 – June 11

**Quarter:** Spring 2017

**Credit Hours:** 3

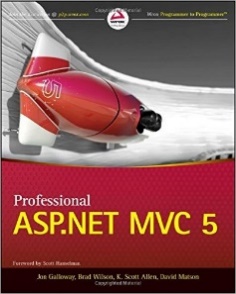
**Instructional Contact Hours Lecture/Lab:** 50% / 50%

**Course Length:** 11 Weeks

**Instructor:** Nicholaus Lawson

**Email**: [nlawson@sctd.edu](mailto:nlawson@sctd.edu)

**On Campus**: 4pm-10pm Tuesday, or by appointment

**Textbooks and Materials:**

ISBN-13: 978-1118794753

ISBN-10: 1118794753

Other Materials: As assigned

(via OneDrive, handout, etc)

**Course Description:**

This course continues to explore ASP.NET as a web development language. The topics covered include advanced database interaction, object-oriented programming and an introduction to various design patterns as they relate to ASP.NET.

**Course Objectives:**

* Learn and understand a Development Framework.
* Create modular code through the use of objects.
* Understand and address security concerns.

**Topical Outline:**

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| --- | --- | --- | --- | --- |
|  |  | **Assignments** | | |
| **Week** | **Topic** | **Reading** | **In-Class** | **Out of Class** |
| 1 | Getting Started  Controllers | Chap 1  Chap 2 | Lecture Discussion Lab | Chapter Reading  C# tutorials  Finish code kata |
| 2 | C# refresher |  | Lecture  Lab | C# tutorials  Chapter reading  Finish code kata |
| 3 | Views | Chap 3 | Lecture Discussion Lab | Chapter Reading  Project/Research  Finish code kata  SoloLearn |
| 4 | Models | Chap 4 | Lecture Discussion Lab | Chapter Reading  Project/Research  Finish code kata  SoloLearn |
| 5 | Forms & HTML Helpers | Chap 5 | Lecture Discussion Lab | Chapter Reading  Project/Research  Finish code kata  SoloLearn |
| 6 | Data Annotations and Validation | Chap 6 | Lecture Discussion Lab | Chapter Reading  Project/Research  Finish code kata  SoloLearn |
| 7 | Membership, Authorization and Security | Chap 7 | Lecture Discussion Lab | Chapter Reading  Project/Research  Finish code kata  SoloLearn |
| 8 | Ajax  Routing | Chap 8  Chap 9 | Lecture Discussion Lab | Chapter Reading  Project/Research  Finish code kata  SoloLearn |
| 9 | NuGet  Web API | Chap 10  Chap 11 | Lecture Discussion Lab | Chapter Reading  Project/Research  Finish code kata |
| 10 | Single Page Applications with Angular JS | Chap 12  Chap 13 | Lecture Discussion Lab | Chapter Reading; Project  Finish code kata |
| 11 | Review | Review | Review  Project Presentation Final |  |

**Grading:**

*Scale:*

A 93 – 100 %

B 85 – 92 %

C 76 – 84 %

D 70 – 75 %

F 0 – 69 %

*Breakdown:*

20 % Participation

20 % Labs

30 % Project

20 % Homework

10 % Exam Final

Participation: Defined as attending class, actively engaging in class discussion and/or question and answer sessions. Performing in-class assignments.

Labs: Coding as assigned. All effort is made to allow adequate allotted lab class time. However, labs are student self-directed activities and not all students work at the same pace; it is not unusual for lab completion to require more than allotted class time. Labs not finished during in-class lab are considered homework, completed outside of normal class hours, and are due before the beginning of next scheduled class.

Homework: Defined as out of class work. Plan on spending at least four hours per week on out of class assignment work. Out of class work includes, but not limited to, reading assignment and end of review questions.

Final Exam: Comprehensive knowledge examination based on all material covered in class, assigned course text reading, lecture, and lab exercises.

Project: There will be one project that runs the entire time of the class. The requirements for the project will be discussed on the first day of class and a rubric will be provided. The project is intended to provide material for your portfolio and a presentation will be required during the final class period.

**Course Structure:**

*Weekly:* Each week will consist of lecture, guided discussions, lab, quiz, and out of class assignments.

*Teaching Strategy:*

Each subject for this course will be taught with a brief lecture. Student should follow along and take notes. Each week will have a corresponding out of work assignment specific to the week’s topic.

Assignment/Lab: Student utilizes information from text, lecture, and discussion. Participates in class activities and creates content in a collaborative environment.

Homework: Student performs out of class assignments in a non-collaborative method.

**Out of class work:**

This is a 3 credit hour 50% lecture/50% lab course. You should plan on spending a minimum of 3 hours per week on out of class work (homework). This will assist in ensuring course content understanding, meeting learning objectives and help with the successful completion of the class. Out of class work will consist of, but not limited to, completing weekly assignments, and/or projects pertaining to the lesson(s) being covered. All out of class work should be neatly completed, turned in on time, and of a professional standard. See grading criteria percentage breakdown for the overall out of class work weighted percentage.

**Assignment submission:**

Assignments are due on the before the start of the next class. Submit work in the manner and method as directed by instructor. If you submit work after the due date, you will be deducted 20% for the first week. After that, no work will be accepted and you will receive a “0” grade for the assigned work. Absenteeism is not an acceptable excuse for not submitting assignments when and as due.

All written assignments should be created using Notepad.

Lab assignments should be created in appropriate format.

Assignments are due before beginning of next scheduled class. Assignments are to be uploaded to OneDrive. We will create a homework folder on the first day of class, all work is to submitted there.

*Assignment Naming Convention:*

Course\_Assignment\_ProblemNumber (if individual problem number needed)

Example: DWD271\_HWCH2

Example DWD271\_HWCH3, DWD271\_HWCH3\_Problem3SQL

Example: DWD271\_InClass\_SQL1

**Requirements for success:**

Attend all scheduled class meetings. Be on time and prepared. Complete and submit all assignments as scheduled. Read chapter assignments before attending class. Course text physical size and single chapter reading assignments is misleading in course work load perception. The course text is information dense and may require multiple readings to achieve adequate comprehension of material and concepts. Students are expected to take ownership of their actions and activities. If you are having trouble completing assignments, contact instructor immediately. Do not wait until the day submission is due. Being proactive in acquiring guidance, advice, and help is paramount if you encounter issues.

**Attendance:**

\*Reference Student Handbook for full policies, guidelines, and explanations.

*Absence:* Students are expected to attend all classes as scheduled and to remain in class for the entire scheduled time. Missing more than half the scheduled allotted class time is considered absent. Four absences constitute automatic withdrawal from the course.

*Tardy:* More than 15 minutes late or leaving more than 15 minutes early. Two tardies equal one absence.

**Class Policies:**

* No food or drink in class at any time.
* No children or pets in class at any time.
* Class disruptions will result in being asked to leave and count as an absence.

*These include but are not limited to:*

* + Inappropriate, suggestive, or abusive language.
  + Inappropriate, suggestive, or abusive behavior.
  + Sleeping.
  + Cell phone.
    - Ringing
    - Answering
    - Buzzing, vibrating, alerting, etc.
    - Texting
    - Chat
    - Social media (any)
  + Loud or obnoxious behavior
* Cell phones will be turned off or completely muted.
* No makeup work will be allowed. Assignments are due when and as assigned.
* Violation of academic honesty policy will result in course failure (grade F) and reported to academic officials
* Cell phone usage during quizzes or exams will be considered cheating and treated as violation of academic honesty policy.

**Academic Dishonesty:**

\*Reference Student Handbook for full policies, guidelines, and explanations.

Academic Dishonesty will not be tolerated.

In addition to the Student Handbook, the following policies apply to this course: You cannot copy and paste from any source (internet, fellow classmate, etc.) and submit such as your work. Any such assignments will receive an automatic “0”. If you do use another’s work, you must cite it according to proper formatting and procedure. Use the 80/20 own work/citation rule. Academic and scholarly resources only are acceptable as cited sources.