WEB 524
WEB PROGRAMMING ON WINDOWS

Seneca

Who is your Professor?

- Nick Romanidis
- School of Software Design and Data Science (SDDS)
- nick.romanidis@senecacollege.ca

- Available:
  - Monday – Fridays, 8 AM to 2 PM, excluding holidays.
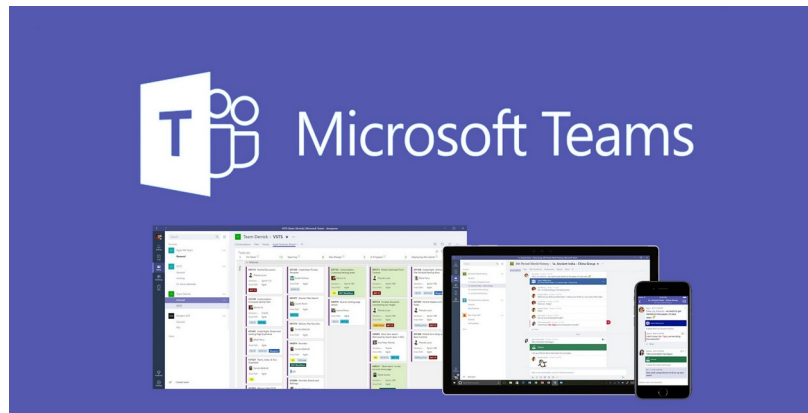 - By appointment only, please send a private message on MS Teams to set up office hours.

Contacting Your Professor

- Contact your professor using MS Teams (preferred) or email.
  - Include the course code and section code in the email subject line or in the body of the MS Teams message.
  - When emailing your professor, you will not receive a response unless you use your Seneca College email address (myseneca.ca).

- Please allow sufficient time for a response.
  - If you send a message during office hours, expect a response within a few hours.
  - If you send a message after office hours, expect a response on the next business day.

- For help on assignments, consider posting to the MS Teams "Course Help" channel.
  - This allows peers to see your question and my answer.
  - All students are invited to answer questions when they can.
  - Do not post any source code from your assignments or tests.
  - Review the academic integrity policies before posting to this channel. More on academic integrity soon.

Virtual Classroom

- Classes will be held synchronously with some asynchronous methodologies.

- Synchronous sessions will be held in a Virtual Classroom using MS Teams.

Virtual Classroom Etiquette

Please join the session two minutes early.

Please mute your microphone before joining the session and when not speaking.

Be respectful of fellow participants. Do not interrupt speakers and use appropriate language.

Avoid the use of all CAPS as this may be interpreted as shouting. Use standard punctuation.

Keep comments focused on the lesson content and do not ask about tests or assignments once the lesson has begun.

Respect the privacy of communication within a course. Do not share comments of classmates.

Course Overview

- You will learn to create entry-level ASP.NET MVC applications that are hosted on the Microsoft Web Platform.

- You will learn the fundamental skills and technologies that will enable you to create high quality intermediate and advanced-level web applications in the future.

Course Overview

BEFORE you start this course:

- You must have successfully completed: OOP345 & (INT322 or WEB322)

- You should have experience working with the following:
  - Object-oriented software development using C++
  - HTML5 programming (HTML, JavaScript, the "DOM", and CSS)
  - SQL DDL (data definition language) and DML (data manipulation language)
  - Windows operating system experience, so you can install, configure, and use new software

- Access to a Windows PC / laptop

Course Overview

- By the end of the course, you will have exposure to several key Windows technologies:
  - ASP.NET
  - The .NET Framework, and the Framework Class Library (FCL)
  - The C# programming language
  - Visual Studio 2019
  - Web browser development tools
  - Internet Information Services (IIS) Express
  - Model-View-Controller (MVC) design pattern

Course Overview

- By the end of the course, you will have exposure to several key Windows technologies:
  - Event-driven programming
  - Object-oriented and component-based software development
  - User interface design fundamentals
  - Configuring a personal computer to do WEB524 course work
  - Deployment to a hosted service provider (e.g. Windows Azure)
  - SQL Server, and its Management Studio application
  - Microsoft ADO.NET Entity Framework for data access

Expectations – Do's

- You must be able to learn a significant amount of material quickly and effectively by watching, listening, reading, doing, and helping others.

- What do I expect from you?
  - <u>Come</u> to the online sessions. Attendance is tracked.
  - Participate during the online sessions, ask and answer questions.
  - Be organized.
  - Be prepared for class.
    - Your professor will post new material and links before your class.
    - Before attending class, review and study the topics covered in the notes and reading material.
    - Make your own notes and prepare questions as you follow through lessons.
  - Start working on assignments when released and hand them in on time.

Expectations – Don'ts

- Don't fall behind.

- Don't procrastinate on your assignments:
  - Read and try to understand the current assignment.
  - Get started on assignments as early as possible.
  - If you're stuck, ask for help (but don't wait until the day it is due – or the day before)

If you're stuck

You will encounter problems and delays while coding. When you do, here are a few tips that may help:

- Chances are, others have seen your problem. Search on Google, Stack Overflow and other online forums.
- If you can't solve the problem within 20 to 30 minutes, then stop and set it aside. Grab a coffee, take a walk, clear your mind, then come back to the problem again later.
- Ask your professor or a classmate, post a question on the "Course Help" channel in MS Teams. Don't thrash or attempt to 'wrestle the problem to the ground'. Others will not think any less of you when you ask for help.

Optional Textbook

- If you would like to supplement the provided material, please consider the following textbook:
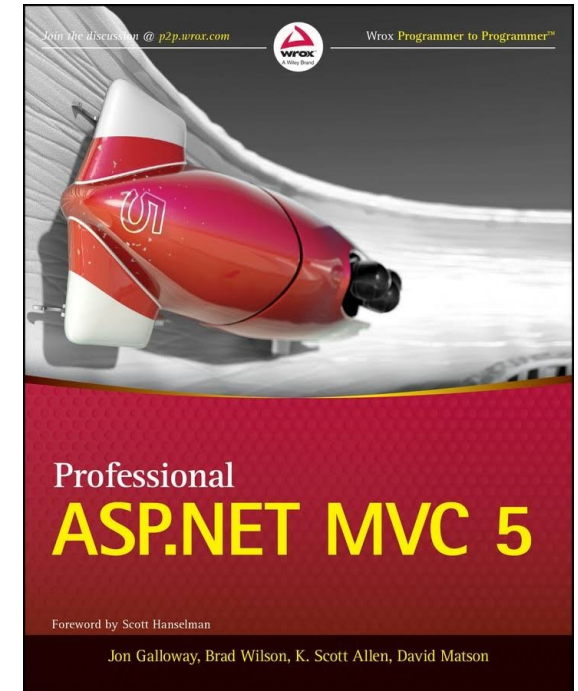
  Professional ASP.NET MVC 5
  Authors: Galloway, Wilson, Allen & Matson
  Publisher: Wrox, A Wiley Brand
  ISBN: 978-1-118-79475-3

- The textbook is available via the Seneca Online Libraries.

Grading Overview - Tests

- There will be 6 tests.

- Your top 5 tests will be counted toward 50% of your final grade.

- Tests will be written on Blackboard during weeks 3, 5, 7, 10, 12 and 14.

- You may begin your test on Tuesdays between 12:00 AM (Eastern Time) and must complete the test before 11:59 PM on the same day.

- Once you start a test, you will be allowed a specific amount of time to complete it. Tests are not automatically submitted so you must ensure it is submitted before closing your browser.

- Tests may include any material covered since the start of the semester however there will be a greater emphasis on the material covered more recently.

- If you miss the test, you will <u>not be allowed</u> a re-write or make-up test.

- Blackboard will never auto-submit tests. You must ensure you submit the test even if you are over the allotted time.

Grading Overview - Assignments

- Assignments
  - There are 6 assignments, worth 50% of your grade.
  - Assignments will be posted on Blackboard as they become available.
  - Submissions that do not meet specifications may be returned to the student for revision and resubmission.

- Late Policy
  - An assignment handed in after the due date will be subject to the following late policy:
    - 10% deduction per 24-hour period after the due date.
    - More than five days (120 hours) after the due date will receive a mark of <u>zero</u>.

Grading Overview – Midterm/Final Exam

- Midterm exam
  - There is no midterm exam for this course.

- Final exam
  - There is no final exam for this course.

- Grades
  - Your grades will be posted on Blackboard.

Evaluation

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Assignments                  50%
Tests (Top 5)                50%
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Total                       100%
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Promotion Policy: To obtain a credit in this subject, a student must:
- Achieve an average of 50% or better for all assignments
- Achieve an average of 50% or better for all tests
- Achieve a weighted average of 50% or better for the course

For more information, please review the course addendum posted on Blackboard.

Academic Integrity

- Please read the Academic Integrity Policy available at:
  www.senecacollege.ca/about/policies/academic-integrity-policy.html

- Help each other by answering questions but don't copy and paste.

- Never share your code with others

- Hands off someone else's mouse and keyboard / screen share.

Academic Integrity

- Most of the materials posted in this course are protected by copyright.

- It is a <u>violation</u> of Canada's Copyright Act and Seneca's Copyright Policy <u>to share, post, and/or upload course material in part or in whole</u> without the permission of the copyright owner.

- This includes posting materials to third-party file-sharing sites such as assignment-sharing or homework help sites.

- Course material includes teaching material, assignment questions, tests, and presentations created by faculty, other members of the Seneca community, or other copyright owners.

Academic Integrity

- It is prohibited to reproduce or post to a third-party commercial website work that is either your own work or the work of someone else, including (but not limited to) assignments, tests, exams, group work projects, etc.

- This explicit or implied intent to help others may constitute a violation of Seneca's Academic Integrity Policy and potentially involve such violations as cheating, plagiarism, contract cheating, etc.

- These prohibitions remain in effect both during a student's enrollment at the college as well as withdrawal or graduation from Seneca.

Getting Started

- Familiarize yourself with the course page (on BlackBoard). Blackboard contains the professor's contact information, important announcements, lecture notes, assignments, tests, and your grades.

- Set up your development environment. You can download Visual Studio 2019 from https://visualstudio.microsoft.com/downloads/. Microsoft offers a 'Community' edition that allows you to install the IDE for free.