SUFFOLK COUNTY COMMUNITY COLLEGE
Western Campus
Brentwood, New York

COURSE OUTLINE

COURSE TITLE: Programming for Relational Database Management   CATALOG NO: CST272

INSTRUCTOR: Prof. Carl B. Struck   SEMESTER: Spring 2023

OFFICE: On-line   MESSAGES: (631) 861-6770

      Tuesday • 1:10 - 1:40   Wednesday • 2:10 - 2:40   Thursday • 1:10 - 1:40

E-MAIL: struckc@sunysuffolk.edu   WEB ADDRESS: http://www.profstruck.net

TEXTBOOK:

    Delamater, M. & Boehm, A.   Murach's ASP.NET 4.6 Web Programming with C# 2015.
    Indianapolis, IN: Murach, 2016.   (ISBN 978-1-890774-95-0) (print version)

–or–

    Delamater, M. & Boehm, A.   Murach's ASP.NET 4.6 Web Programming with C# 2015.
    Indianapolis, IN: Murach, 2016.   (ISBN 978-1- 943872-06-0) (eTextbook)

SUPPLIES:

- Microsoft Visual Studio Community 2022; this free download and install requires that you are a current college student either full-time or part-time.
- USB flash drive (memory stick) or some other storage device for saving files.

COURSE OBJECTIVES:

  At the end of this course, students will be able to:

- Design a database system
- Design a system using structure query language (SQL)
- Demonstrate the use of the Visual Studio IDE in the creation of data base programs
- Create a Web-based DBMS program using structured programming style
- Use, describe and write programs using multiple files
- Store, retrieve and update data in the database using structured programming style
- Present database web browser oriented programs in detail.

PROCEDURES FOR ACCOMPLISHING THESE OBJECTIVES:

- Class lectures and discussions.
- Use of audio-visual devices.
- Homework review and practice problems from textbook and other sources.
- Application problems on IBM compatible computers.

STUDENT REQUIREMENTS FOR COMPLETION OF THE COURSE:

- End of unit projects: 60%
- Unit quizzes (*see below*):   15%
- ASP.NET final project: 25%

Do not expect to get an "A" grade for doing the base project; rather that grade is reserved for students who go beyond the requirements of the assignment.   Final grade will not be more than ten (10) percentage points higher than the examination average.

Multiple-choice *unit quizzes* based upon the assigned textbook readings will be given for most chapters.   Quizzes located in Brightspace consist of ten questions each and will be "open book."   All quizzes must be completed at home or in a computer lab by the due date listed in the course outline before 12:30 p.m. when class begins that day.

Students must submit projects to the instructor via Brightspace, an Internet website maintained jointly by Suffolk Community College and the SUNY Learning Network. Students who do not have Internet access from home can get access from the computer open lab in Caumsett Hall.

All assignments and projects are due by the end of the day (11:59 P.M.) on the date announced unless otherwise stated.   No late assignments will be accepted unless an extension date is *prearranged* with the instructor.

Although computer lab time may be scheduled each week during class time, students should be aware that additional lab time outside of class may be necessary to complete the requirements of this course.   Students without their own computer at home should plan to spend an additional 3 to 6 hours per week in the Caumsett Hall open computer lab.

ATTENDANCE REQUIREMENTS:

"The College expects that each student will exercise personal responsibility with regard to class attendance.   All students are expected to attend every class session of each course for which they are registered.   Students are responsible for all that transpires in class whether or not they are in attendance.   The College defines excessive absence or lateness as more than the equivalent of one week of class meetings during the semester.   Excessive absence or lateness may lead to failure in a course or removal from the class roster."   (College Catalog)

Attendance is not a factor in the computation of the course grade but may be a factor in determining class participation.   It is the student's responsibility to make his/her attendance known to the instructor if arriving late.   Students who stop attending classes *without officially withdrawing* from the course will receive a failing grade (F).

SCHEDULE OF TOPICS TO BE COVERED:

- Jan 25

    - ✓ Getting Started with Visual Studio
    - ✓ Reading: Delamater & Boehm–Chapter 1   (Unit Quiz: Feb 1)
    - ✓ **Project 1** (Due: Feb 1)

- Feb 1

    - ✓ Instruction to ASP.NET and C#
    - ✓ Reading: Delamater & Boehm–Chapter 2   (Unit Quiz: Feb 1)
    - ✓ **Project 2** (Due: Feb 8)

- Feb 8

    - ✓ An HTML and CSS Primer
    - ✓ Reading: Delamater & Boehm–Chapter 3, pp. 73-103   (Unit Quiz: Feb 8)
    - ✓ Supplemental reading: W3Schools. HTML Tutorial (through "HTML Lists"). Copyright 1999-2019 by Refsnes Data.
    - ✓ Supplemental reading: W3Schools. CSS3 Tutorial (through "Styling Tables"). Copyright 1999-2019 by Refsnes Data.
    - ✓ **Project 3** (Due: Feb 15)

- Feb 15

    - ✓ Web Forms and Input Controls
    - ✓ Reading: Delamater & Boehm–Chapter 6   (Unit Quiz: Feb 15)
    - ✓ **Project 4** (Due: Feb 22)

- Feb 22

    - ✓ Validation Controls
    - ✓ Reading: Delamater & Boehm–Chapter 7   (Unit Quiz: Feb 22)
    - ✓ Supplemental reading: RegExLib.com. Regular Expression Library. Copyright 2001-2019. RegexAdvice.com | ASP.NET Tutorials.
    - ✓ **Project 5** (Due: Mar 1)

- Mar 1

    - ✓ Master Pages
    - ✓ Reading: Delamater & Boehm–Chapter 9   (Unit Quiz: Mar 1)
    - ✓ **Project 6** (Due: Mar 8)

- Mar 8

    - ✓ Microsoft SQL Server Review, SQL and the SqlServerSource Control
    - ✓ Reading: Delamater & Boehm–Chapter 13   (Unit Quiz: Mar 8)
    - ✓ Supplemental reading: Creating Database Tables in Microsoft SQL Server (see the instructor's website)
    - ✓ Supplemental reading: W3Schools. SQL Tutorial (through "SQL Inner Join"). Copyright 1999-2019 by Refsnes Data.
    - ✓ **Project 7**   (Due: Mar 15)

- Mar 15 – 29

    - ✓ GridView
    - ✓ Reading: Delamater & Boehm–Chapter 14   (Unit Quiz: Mar 15)
    - ✓ Supplemental reading: Ozgur–Passing Variables between Pages Using QueryString. Copyright © Atilla Ozgur, 2004.
    - ✓ **Project 8**   (Due: Mar 29)
    - ✓ **Project 9**   (Due: Apr 5)

- Apr 5

    - ✓ Data Bound List Controls, DetailsView and FormView
    - ✓ Reading: Delamater & Boehm–Chapter 15   (Unit Quiz: Apr 5)
    - ✓ **Project 10**   (Due: Apr 12)

- Apr 12

    - ✓ Templated Data Web Control (ListView and DataPager)
    - ✓ Reading: Delamater & Boehm–Chapter 16   (Unit Quiz: Apr 12)
    - ✓ **Project 11**   (Due: Apr 19)

- Apr 19

    - ✓ More Templated Data Web Controls (DataList and Repeater)
    - ✓ Supplemental readings (Redmond, WA: © 2013 Microsoft Corporation): Displaying Data with the DataList and Repeater Controls.
    - ✓ Unbound Insert, Update and Delete Methods
    - ✓ Supplemental readings (Redmond, WA: © 2013 Microsoft Corporation):
        - ▪ SqlDataSource.Insert Method
        - ▪ SqlDataSource.Update Method
        - ▪ SqlDataSource.Delete Method
    - ✓ **Project 12**   (Due: Apr 26)

- Apr 26 – May 10

    - ✓ **The ASP.NET Final Project** (Due: May 10)

VACCINATION & COVID-19 REQUIREMENTS FOR ON-CAMPUS STUDENTS

Mandatory COVID-19 Safety Measures

The safety, health, and well-being of students and the college community are Suffolk County Community College's primary concern during the COVID-19 pandemic. Compliance with these mandatory safety measures will help reduce the risk of on-campus transmission of COVID to assist in keeping our campus safe so we can continue face-to-face classes and student activities. Failure to comply with the COVID-19 safety measures will result in referral to the Office of the Campus Associate Dean of Student Affairs for potential disciplinary action.

Vaccination Requirement for Face-to-Face Courses

In alignment with the SUNY Student Vaccine Policy, COVID-19 vaccinations are mandatory for all students engaging in face-to-face classes, activities, and services. Students are required to provide the College with documentation verifying their vaccination status. **Students may apply for an exemption from the mandatory vaccination requirement for medical or religious reasons using the process outlined** here**; exemptions are not guaranteed.**

Booster Requirements

As soon as they are eligible, students are required to present evidence of a COVID-19 vaccine booster during the spring 2022 semester. Details regarding student eligibility to receive the booster will be communicated directly to students and made available here.

Masking Requirements

In accordance with the Centers for Disease Control and Prevention (CDC) guidelines, Suffolk requires that all members of our campus community wear masks in the classroom, in any other area inside any College buildings, and in any crowded outdoor settings. These masks should cover both your nose and mouth and are required regardless of vaccination status. Suffolk may change the masking protocols, course modality or other guidance as the COVID rate is monitored and as required by New York State, SUNY, and the Suffolk County Department of Health Services. Students who cannot wear a face mask due to a medical condition or disability, or who are unable to remove a mask without assistance, should seek an accommodation through the Office of Disability Services.

Eating in the Classroom

Eating in the classroom is prohibited at all times. Students should be encouraged to utilize campus dining facilities for having meals/snacks.

Course Modality Changes

While unlikely, your course may need to transition to remote instruction should the need arise due to more restrictive local, state, or federal guidelines that compel the College to pause face-to-face instruction or due to classroom exposure related to COVID-19. Please look for announcements on Blackboard or your Suffolk email.

Student Absence

Students who have tested positive for COVID-19 will share notification of a positive test with the Campus Associate Dean of Student Affairs and will be excused for a five-day isolation period. Students who believe they may have been exposed or who are symptomatic should not come on campus and must notify their Campus Associate Dean of Student Affairs:

- Ammerman Campus: Dr. Edward Martinez: martineze@sunysuffolk.edu
- Eastern Campus: Dr. Mary Reese: reesem@sunysuffolk.edu
- Michael J. Grant Campus: Dr. Meryl Rogers: rogersm@sunysuffolk.edu

Students should contact their instructor(s) as soon as possible if they miss class for any illness to discuss reasonable adjustments that might need to be made. When possible, students should contact their instructor(s) before missing class.

COLLEGE POLICEIES

Absences and Attendance Policy

The College expects that each student will exercise personal responsibility with regard to class attendance. All students are expected to attend every class session of each course for which they are registered. Students are responsible for all that transpires in class whether or not they are in attendance, even if absences are the result of late registration or add/drop activity at the beginning of a term as permitted by college policy. The College defines excessive absence or lateness as more than the equivalent of one week of class meetings during the semester. Excessive absence or lateness may lead to failure in, or removal from, the course. Absences due to religious observance will be deemed an excused absence with no negative consequences.

Any student who enters a class after the first meeting, regardless of reason, is accountable for all course requirements including assignments and attendance.

A student may be required to drop or withdraw from a course when, in the judgment of the instructor, absences have been excessive. A student may also be withdrawn from a course by the Associate Dean of Student Services or the Student Conduct Board following a disciplinary hearing for violating the Student Code of Conduct as described in the Student Handbook.

Attendance on Religious Observance

As provided for in New York State Education Law §224-a, student absences from class necessitated by religious observance will be deemed an excused absence, with no academic consequences. Students must notify their professor in advance of their religious observance, via their College email accounts or otherwise in writing, of their intention to be absent from a particular class due to a religious observance; notification should occur at least one week prior to the religious observance. Observing students shall be granted reasonable arrangements and/or be permitted a reasonable amount of time to make up missed quizzes, tests, assignments, and activities covered in their absence. Please refer to the College's Religious Observance Policy, which is available on the Office of Legal Affairs' website, for additional information.

Services for Students with Disabilities

Suffolk County Community College provides reasonable accommodations to registered students with disabilities who have self-identified and been approved by the Office of Disability Services. Once approved for reasonable accommodations, such students will be provided with an Accommodation Letter, describing the specific accommodations. Students must present this letter to each of their professors before accommodations can be provided. Students are encouraged to email this letter to their faculty member.

Students who have, or think they may have, a disability are invited to contact Disability Services for a confidential consultation.   Students are encouraged to contact the office by email this semester.

Disability Services Contact Information:

Ammerman Campus
Call the Disability Services Office at 631-451-4045 or email the Office at
disabilityA@sunysuffolk.edu

Eastern Campus
Call the Disability Services Office at 631-548-2527 or email the Office at
disabilityE@sunysuffolk.edu

Michael J. Grant Campus
Call the Disability Services Office at 631-851-6355 or email the Office at
disabilityG@sunysuffolk.edu.

Academic Integrity

Suffolk County Community College provides students with the opportunity to demonstrate their knowledge by submitting coursework that is uniquely theirs and giving proper attribution to the work of others. Participating honestly in the SCCC academic community ensures that students can take pride in their education and their contributions to scholarship. Without academic integrity, students gain unfair advantage over others and prevent their own intellectual progress. As a student in this class, you are expected to uphold the SCCC core value of Integrity and understand the Special Procedures for Academic Dishonesty in the relevant sections of the SCCC Student Code of Conduct.

The Code prohibits academic misconduct, which includes any action that results in students giving or receiving unauthorized assistance in an academic exercise, or receiving credit for work that is not their own. Academic exercise includes all forms of work submitted for credit. Academic misconduct includes, but is not limited to, the following behaviors: **cheating** on exams; **plagiarizing -** using another person's work or ideas without crediting them; **complicity -** helping a student, or being helped, to engage in academic misconduct; **multiple submissions** - submitting the same work for credit in more than one course without the instructor's permission; **falsification and forgery** - inventing information or falsifying the identity of a student.

Information about the Student Code of Conduct, plagiarism and the citation process is in the Academic Integrity and Plagiarism Guide.