

Computers and Management Information Systems (CMIS) 314

Web Applications with VBNet (Revision 2)

Delivery Mode: Individualized Study Online [↗](#) with eText [↗](#)

Credits: 3

Area of Study: Applied Studies (Business & Administrative Studies)

Prerequisites: CMIS 214 or coordinator approval.

Precluded: None

Challenge: CMIS 314 is not available for Challenge.

Faculty: Faculty of Business [↗](#)

Status: Replaced with new revision, see the [course listing](#) [↗](#)
for the current revision [✕](#)

Notes: Sample Course Pages [📄](#)

➤ Overview

Overview

CMIS 314: Web Applications with VBNet illustrates the wide variety of features that can be built into Web-based business applications using Visual Studio for Web. It builds on the Visual Basic (VB) skills developed in *CMIS 214* for building Windows applications. VB is one of the tools used in this course to build Web applications. You will also learn about related tools and technology as well as the SQL database language. This course does not provide an exhaustive study of Web programming as this is well beyond the scope of a single course.

➤ Outline

Outline

CMIS 314 consists of the following seven units of study:

- Unit 1: Introduction to the Internet and Web Design with Visual Studio
- Unit 2: Using the IDE and an Introduction to HTML
- Unit 3: Working with Server Controls
- Unit 4: Developing Multipage Websites
- Unit 5: Introduction to SQL Server and Relational Databases
- Unit 6: Developing Applications That Use Databases
- Unit 7: Web Development; Next Steps

➤ Evaluation


Evaluation



To [receive credit](#) for CMIS 314, you must write a final examination. Although assignments are important for your learning and you are strongly encouraged to complete them, you are not required to complete and submit each assignment in order to pass the course. If you do not complete an assignment, you will receive zero for that assignment. You must achieve a passing grade of at least 50% on the final examination and an overall course grade of at least **D (50 percent)**).


Activity	Weight
Assignment 1	12%
Assignment 2	13%
Assignment 3	20%
Quiz 1	4%
Quiz 2	4%
Quiz 3	4%
Quiz 4	8%
Participation	5%
Final Exam	30%
Total	100%

The **final examination** for this course must be taken online with an AU-approved exam invigilator at an approved invigilation centre. It is your responsibility to ensure your chosen invigilation centre can accommodate online exams. For a list of invigilators who can accommodate online exams, visit the [Exam Invigilation Network](#).



To learn more about assignments and examinations, please refer to Athabasca University's [online Calendar](#) .

Materials

Materials

Delamater, M., & Boehm, A. (2013). *Murach's ASP.NET 4.5 web programming with VB 2012*. Mike Murach & Associates, Inc. 978-1-890774-76-9  (eText)

eText

Registration in this course includes an electronic textbook. For more information on [electronic textbooks](#) , please refer to our [eText Initiative site](#) .

Other materials

All other materials will be available to students online.

Software Requirements

Visual Studio Express 2013 for Web. The software is downloaded at no cost from the Microsoft website.

Hardware Requirements

The minimum computer required is a 1.6 GHz processor or faster with 1 GB of RAM, 4 GB of available disk space, 5400 RPM hard drive, DirectX 9-capable video card running at 1024 x 768 or higher display resolution, and Internet connectivity. We recommend you have a faster processor, more memory, and more disk space available. Any PC bought in the last 3 years should exceed these recommended computer requirements.

The operating system can be Windows 7 (with service pack 1), Windows 8, or Windows 8.1.

Important Links



Important Links

- › [Academic Advising](#) 
- › [Program Planning](#) 
- › [Request Assistance](#) 
- › [Support Services](#) 

Athabasca University reserves the right to amend course outlines occasionally and without notice. Courses offered by other delivery methods may vary from their individualized-study counterparts.

Opened in Revision 2, August 12, 2015

Updated November 4, 2021, by Student & Academic Services

View [previous revision](#) 

