



Course Number and Title: CIS 260 Internet/Web Commerce

Campus Location:
Georgetown, Dover

Effective Date:
2018-51

Prerequisite:
CIS 120, WEB 160

Co-Requisites:
none

Course Credits and Hours:
4.00 credits
3.00 lecture hours/week
2.00 lab hours/week

Course Description:

This course illustrates how to configure and maintain a complete intranet or Internet e-commerce website; develop and publish web pages using a variety of tools and technologies; produce dynamic web pages using server-side and client-side scripts such as active server pages (ASP) and extensible markup language (XML); and develop effective secured shopping cart applications using a scalable relational database. Concepts of processing credit card transactions with payment gateway systems are introduced.

Required Text(s):

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:
None

Schedule Type:
Classroom Course
Hybrid Course
Online Course

Disclaimer:
None

Core Course Performance Objectives (CCPOs):

1. Install, configure, and test a web server. (CCC 2; PGC 1, 2, 4)
2. Construct web pages with text, lists, tables, frames, and hyperlinks. (CCC 2; PGC 4, 6)
3. Generate dynamic web pages using ASP and XML, and process user requests. (CCC 2; PGC 2, 4, 6)
4. Connect a website to a database to store and retrieve commercial and customer information. (CCC 2; PGC 1, 5)
5. Develop complete e-commerce websites using a variety of tools and technologies. (CCC 2; PGC 2, 4, 6)
6. Create and implement a web store using a commercial web server. (CCC 2; PGC 1, 6)
7. Devise and implement a plan to secure a web store. (CCC 2; PGC 2, 6)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Install, configure, and test a web server.
 1. Use a professional workstation (PWS) and an Internet information services (IIS) directory structure to create a secure web server.
2. Construct web pages with text, lists, tables, frames, and hyperlinks.
 1. Build a web page with hypertext markup language (HTML), hyperlinks, colors, and ordered and unordered lists.
 2. Add graphic elements to web pages.
 3. Organize information within frames.
 4. Enhance data displays using tables.
3. Generate dynamic web pages using ASP and XML, and process user requests.
 1. Capture HTML input with user forms.
 2. Create active server pages with Visual Basic Script (VBScript) to process form input.
 3. Output request from web pages.
4. Connect a website to a database to store and retrieve commercial and customer information.
 1. Install and configure a database.
 2. Define a database and its records.
 3. Use structured query language (SQL) to manipulate the database.
 4. Create web pages to insert, delete, and update records.
 5. Connect web pages to a database.
5. Develop complete e-commerce websites using a variety of tools and technologies.
 1. Visit and evaluate various e-commerce sites.
 2. Use e-commerce software to create web stores.
6. Create and implement a web store using a commercial web server.
 1. Configure a commerce server.
 2. Develop a shopping basket with ASP.
 3. Integrate products, prices, and images into a database.
 4. Enable the ability to calculate taxes and shipping using the web server application.
 5. Customize the application to meet customer needs.
7. Devise and implement a plan to secure a web store.
 1. Enable internet and web store security and encryption.
 2. Explain credit card validation.
 3. Exchange order and payment data.

Evaluation Criteria/Policies:

Students must demonstrate proficiency on all CCPOs at a minimal 75 percent level to successfully complete the course. The grade will be determined using the Delaware Tech grading system:

92	-	100	=	A
83	-	91	=	B
75	-	82	=	C
0	-	74	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Utilize the latest integrated application software package.
2. Install, configure and secure operating systems and application software.
3. Design, write, and debug structured business computer programs.
4. Analyze and design complex computer applications to solve business problems.
5. Integrate the principles and procedures of basic accounting in business computer applications.
6. Integrate the principles of the Internet into web development.

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.