

CS/IS260 : Introduction To Web Site Development

General Information

Author:	<ul style="list-style-type: none">Teresa Bailey
Attachments:	DE Addendum_CS:IS_260 COR_09_01_2020 CoDE_09_26_2023.pdf
Course Code (CB01) :	CS/IS260
Course Title (CB02) :	Introduction To Web Site Development
Department:	CSIS
Proposal Start:	Winter 2025
TOP Code (CB03) :	(0707.10) Computer Programming
CIP Code:	(11.0201) Computer Programming/Programmer, General.
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000168420
Curriculum Committee Approval Date:	03/27/2024
Board of Trustees Approval Date:	06/18/2024
Last Cyclical Review Date:	03/27/2024
Course Description and Course Note:	CS/IS 260 provides students with training and experience in developing and managing Web sites using HTML (HyperText Markup Language) and CSS (Cascading Style Sheets). Primary emphasis is placed on the development of the client-side of the Web for business purposes. Topics include basic Web pages, images, tables, forms, multimedia linking, limited scripting using JavaScript, and publishing coursework to an Internet Web site. Students use a variety of free and proprietary software tools to create the coursework. Note: Having the ability to type at least 20 words per minute is strongly recommended.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Credit
Author:	<ul style="list-style-type: none">Teresa Bailey

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Computer Information Systems (Computer network installation, microcomputer technology, computer applications)
Alternate Discipline:	<ul style="list-style-type: none">Computer Science
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

Transferability & Gen. Ed. Options

General Education Status (CB25)

Not Applicable

Transferability

Transferable to CSU only

Transferability Status

Approved

Units and Hours

Summary

Minimum Credit Units (CB07) 3

Maximum Credit Units (CB06) 3

Total Course In-Class (Contact) Hours 54

Total Course Out-of-Class Hours 108

Total Student Learning Hours 162

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience

Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	0	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	0
Course In-Class (Contact) Hours	
Lecture	54
Laboratory	0
Studio	0

Total 54

Course Out-of-Class Hours

Lecture 108

Laboratory 0

Studio 0

Total 108

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
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No Value	No Value	No Value	No Value
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Pre-requisites, Co-requisites, Anti-requisites and Advisories

No Value

Entry Standards

Entry Standards

Recommend ability to type 20 words per minute.

Course Limitations

Cross Listed or Equivalent Course

Specifications

Methods of Instruction

Methods of Instruction	Lecture
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Methods of Instruction	Multimedia
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Methods of Instruction

Demonstrations

Methods of Instruction

Presentations

Out of Class Assignments

- Projects (e.g. create a Web site which links to all class and homework assignments)
- HTML and CSS coding assignments

Methods of Evaluation**Rationale**

Project/Portfolio

Projects

Other

Lab assignments

Exam/Quiz/Test

Quizzes

Exam/Quiz/Test

Final examination

Textbook Rationale

HTML and CSS the Comprehensive Guide, author Jurgen Wolf, publisher Rheinwerk Computing, 1st edition 2023

Is a vastly updated textbook in a field that changes constantly. It addresses HTML 5, and changes both to it and CSS in the last year.

It also still covers the requisite introduction to Javascript.

Textbooks**Author****Title****Publisher****Date****ISBN**

Jurgen Wolf

HTML and CSS the
Comprehensive GuideRheinwerk
Computing

2023, 1st Edition

978-1-4932-2422-
7**Other Instructional Materials (i.e. OER, handouts)**

No Value

Materials Fee

No value

Learning Outcomes and Objectives**Course Objectives**

Use document development techniques such as HTML (HyperText Markup Language) and CSS (Cascading Style Sheets).

Organize and upload Web-specific files to a server.

Explain how JavaScript integrates with Web documents.

Use SEO (Search Engine Optimization) techniques to improve search engine visibility.

SLOs

Create and modify Web-specific files for website.

Expected Outcome Performance: 70.0

<i>ILOs</i> Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
<i>CSIS</i> Information Technology Certificate	Demonstrate installing, configuring and maintaining computer and mobile devices, including diagnosing, resolving and documenting common hardware and software.
<i>CSIS</i> Information Technology - A.S. Degree Major	Demonstrate installing, configuring, and maintaining computer and mobile devices, including diagnosing, resolving, and documenting common hardware and software.
<i>CSIS</i> Computer Science - A.S. Degree Major	Prepare a software project to implement a single scientific, mathematical, business, or technical function.
<i>CSIS</i> Computer Science - Certificate	Prepare a software project to implement a single scientific, mathematical, business, or technical function.
<i>CSIS</i> Computer Information Systems	analyze simple business or technical problems relevant to programming, and prepare solutions to them demonstrate an understanding of the operations and processes of a computer relevant to programming. implement a program in either C/C++ or Java, using objects
<i>CSIS</i> Computer Software Technician	demonstrate the ability to independently create, save, modify and print a document using a word processing program and appropriate assistive technology
<i>CSIS</i> Web Development - A.S. Degree Major	use industry standard tools and techniques to produce, publish and maintain Web sites and Web content.
<i>CSIS</i> Web Development - Certificate	use industry standard tools and techniques to produce, publish and maintain Web sites and Web content.

Apply styles to Web-specific files for website.

Expected Outcome Performance: 70.0

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	demonstrate an understanding of the operations and processes of a computer relevant to programming.
	implement a program in either C/C++ or Java, using objects
CSIS Computer Software Technician	demonstrate the ability to independently create, save, modify and print a document using a word processing program and appropriate assistive technology
CSIS Web Development - A.S. Degree Major	use industry standard tools and techniques to produce, publish and maintain Web sites and Web content.
CSIS Web Development - Certificate	use industry standard tools and techniques to produce, publish and maintain Web sites and Web content.
Use file transfer tools for server management.	
Expected Outcome Performance: 70.0	
ILOs Core ILOs	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
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Course Content

Lecture Content

HTML and CSS (20 Hours)

- Web page basics
- Tags
- Attributes of tags
- Web site basics
- Internal and external links
- Site architecture and navigation
- CSS and color management
- The style cascade: inline, embedded and external
- Defining color using hexadecimal notation

Tables (10 Hours)

- Non-graphical tables
- Table related tags
- Graphical tables I
- Integrating tables with CSS

Forms (6 Hours)

- Collecting data from Web pages
- Form related tags
- Integrating forms with CSS

Using Multimedia Content (6 Hours)

- Linking to audio content
- Audio file formats used on the Web
- Linking to video content
- Video file formats used on the Web

XHTML (eXtensible HyperText Markup Language) (3 Hours)

- Creating XML (eXtensible Markup Language) compliant Web pages
- Testing XHTML Web pages using strict and transitional rule sets

Introduction to Web Scripting using JavaScript (4 Hours)

- JavaScript syntax The DOM (Document Object Model)
- Practical JavaScript programming

Search Engine Optimization (5 Hours)

- How search engines catalog Web sites
- How to get noticed on the Web
- Keywords
- Content is key

Total Hours: 54

Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

Yes

If yes, who is your departmental library liaison?

Aisha Conner-Gaten (Business, ESL-Credit)

Did you contact the DEIA liaison?

No Value

Were there any DEIA changes made to this outline?

No Value

If yes, in what areas were these changes made:

No Value

Will any additional resources be needed for this course? (Click all that apply)

- No

If additional resources are needed, add a brief description and cost in the box provided.

Students all need access to a computer with built-in microphone and video camera.