

Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Business & Computer Science: Computer Science

Submitter

First Name: Debra

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Course Prefix and Number: CS - 135I

Credits: 3

Contact hours

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 33

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Advanced Web Design with Dreamweaver

Course Description:

Plan and publish a standards-based, accessible web site via a variety of tools, including the Adobe Creative Suite. Complete market and user-needs analysis to best target site content and design. Create a graphical web site mock-up, then use CSS (including a framework and pre-processors), scripts, and multimedia to realize site goals. Emphasizes professional design techniques.

Type of Course: Lower Division Collegiate

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

Yes

Check which General Education requirement:

✓ **Writing**

✓ **Oral Communication**

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Computer Science AAS & Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

Yes

Recommendations:

Requirements: CS-125H, or equivalent experience with hand-coded HTML & CSS

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: Yes

When do you plan to offer this course?

✓ **Spring**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. communicate effectively in a variety of client meetings in order to assess site content, personality, and design needs;
 2. identify current and emerging web design trends;
 3. describe the advantages of grid-based layouts and complete such a design from wire-frame to completed web page;
 4. use advanced CSS techniques to create accessible, responsive, and efficient websites; this includes the use of CSS frameworks, preprocessors, and workflow automation tools.
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COURSE OUTLINE MAPPING CHART**Mark outcomes addressed by the course:**

- Mark "C" if this course completely addresses the outcome. Students who successfully complete this course are likely to have attained this learning outcome.
- Mark "S" if this course substantially addresses the outcome. More than one course is required for the outcome to be completely addressed. Students who successfully complete all of the required courses are likely to have attained this learning outcome.
- Mark "P" if this course partially addresses the outcome. Students will have been exposed to the outcome as part of the class, but the class is not a primary means for attaining the outcome and assessment for general education purposes may not be necessary.

As a result of completing the AAOT/ASOT general education requirements, students will be able to:**WR: Writing Outcomes**

1. Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences.

P 2. Locate, evaluate, and ethically utilize information to communicate effectively.

P 3. Demonstrate appropriate reasoning in response to complex issues.

SP: Speech/Oral Communication Outcomes

1. Engage in ethical communication processes that accomplish goals.

P 2. Respond to the needs of diverse audiences and contexts.

3. Build and manage relationships.

MA: Mathematics Outcomes:

1. Use appropriate mathematics to solve problems.

2. Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

AL: Arts and Letters Outcomes

1. Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life.

2. Critically analyze values and ethics within range of human experience and expression to engage more fully in local and global issues.

SS: Social Science Outcomes

1. Apply analytical skills to social phenomena in order to understand human behavior.

2. Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

SC: Science or Computer Science Outcomes

1. Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions.

2. Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically examine the influence of scientific and technical knowledge on human society and the environment.

3. Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Outcomes Assessment Strategies:

:

Major Topic Outline:

1. Site planning.
 - a. Market & needs analysis.
 - b. Creating a site map.
 - c. Finding a web host.
 - d. Domain name registration.
2. Site definition.
 - a. Defining a site in Dreamweaver.
 - b. FTP concepts.
 - c. Getting, putting and synchronizing.
 - d. File & folder management.
3. Images and animation.
 - a. Introduction to graphic editors.
 - b. Shapes, fills, text, and special effects.
 - c. Creating image maps in Fireworks.
 - d. Creating symbols & working with the Fireworks library.
 - e. Layers and frames.
 - f. Tweening & slicing.
 - g. Exporting images.
 - h. Integrating Fireworks and Dreamweaver.
5. Document window basics.
 - a. Adding & formatting text to Dreamweaver pages.
 - b. Adding & formatting images in Dreamweaver pages.
 - c. Adding & formatting tables in Dreamweaver pages.
 - d. Creating hyperlinks in Dreamweaver pages (internal, relative, absolute).
 - e. Modifying page properties.
5. Cascading style sheets.
 - a. Planning a CSS layout from design mock-up.
 - b. Absolute positioning.
 - c. Relative positioning.
 - d. Accessibility planning.
 - e. Media specific style sheets.
 - f. Creating & applying custom inline, embedded and external styles.
6. Site Navigation.
 - a. Planning a consistent navigation scheme.
 - b. Creating image maps.
 - c. Creating navigation bars.
 - d. Providing alternate navigation choices.
7. Tables.
 - a. Table concepts.
 - b. Using the table layout view.
 - c. Using layers.
8. Creating interactive forms.
 - a. Working with the forms object panel.
 - b. Setting form properties and attributes.
 - c. Encoding techniques.
 - d. Form validation.
 - e. Form layout techniques.

9. Templates, libraries, and compatibility tools.
 - a. Creating a template.
 - b. Applying a template to a web page.
 - c. Creating & inserting a library item.
 - d. Working with the Dreamweaver asset panel.
 - e. Setting browser preview preferences.
10. Multimedia.
 - a. Web friendly file types.
 - b. Analyzing plugins and helper applications.
 - c. Understanding streaming media.
 - d. Including multimedia in web pages.
11. Layers.
 - a. Understanding layers.
 - b. Using layers for page layout.
 - c. Adding JavaScript behaviors to layers.

Does the content of this class relate to job skills in any of the following areas:

- | | |
|--------------------------------------|-----------|
| 1. Increased energy efficiency | No |
| 2. Produce renewable energy | No |
| 3. Prevent environmental degradation | No |
| 4. Clean up natural environment | No |
| 5. Supports green services | No |

Percent of course: 0%

Section #2 Course Transferability

Concern over students taking many courses that do not have a high transfer value has led to increasing attention to the transferability of LDC courses. The state currently requires us to certify that at least one OUS school will accept a new LDC course in transfer. Faculty should communicate with colleagues at one or more OUS schools to ascertain how the course will transfer by answering these questions.

1. Is there an equivalent lower division course at the University?
2. Will a department accept the course for its major or minor requirements?
3. Will the course be accepted as part of the University's distribution requirements?

If a course transfers as an elective only, it may still be accepted or approved as an LDC course, depending on the nature of the course, though it will likely not be eligible for Gen Ed status.

Which OUS schools will the course transfer to? (Check all that apply)

Identify comparable course(s) at OUS school(s)

How does it transfer? (Check all that apply)

:

Provide evidence of transferability: (minimum one, more preferred)

First term to be offered:

Next available term after approval

:
