

**NEOSHO COUNTY COMMUNITY COLLEGE
MASTER COURSE SYLLABUS**

COURSE IDENTIFICATION

Course Code/Number: CSIS 229

Course Title: Advanced Web Page Design

Division: Applied Science (AS) Liberal Arts (LA) Workforce Development (WD)
 Health Care (HC) Lifetime Learning (LL) Nursing Developmental

Credit Hour(s): Three (3)

Effective Date: Fall 2013

Assessment Goal Per Outcome: 70%

COURSE DESCRIPTION

This course is designed to serve the needs of individuals who are interested in learning advanced concepts and techniques in the analysis, design, development, implementation and evaluation of Web pages and applications. Students will learn advanced concepts and techniques of tables, graphics, animation, audio/video, forms, and scripting. The latest in Web, graphic, and animation design software programs will be utilized.

MINIMUM REQUIREMENTS/PREREQUISITES AND/OR COREQUISITES

The student must have completed CSIS 117 Intro. to Web Page Design (1 cr. hr.) or have permission from the instructor.

TEXTS

The official list of textbooks and materials for this course is found on *myNeosho*.

<http://www.neosho.edu/ProspectiveStudents/Registration/CourseSyllabi.aspx>

GENERAL EDUCATION OUTCOMES

1. Practice Responsible Citizenship through:

- identifying rights and responsibilities of citizenship,
 - identifying how human values and perceptions affect and are affected by social diversity,
 - identifying and interpreting artistic expression.
2. Live a healthy lifestyle (physical, intellectual, social) through:
 - listing factors associated with a healthy lifestyle and lifetime fitness,
 - identifying the importance of lifetime learning,
 - demonstrating self-discipline, respect for others, and the ability to work collaboratively as a team.
 3. Communicate effectively through:
 - developing effective written communication skills,
 - developing effective oral communication and listening skills.
 4. Think analytically through:
 - utilizing quantitative information in problem solving,
 - utilizing the principles of systematic inquiry,
 - utilizing various information resources including technology for research and data collection.

COURSE OUTCOMES/COMPETENCIES (as Required)

Upon successful completion of the course the student should be able to:

Outcome 1: Analyze, Design, Develop and Implement an Advanced Web Site with advanced components.

Competencies:

1. Create a Web page template for efficiency and consistency.
2. Design an advanced web site page layout scheme with Dreamweaver.
3. Create pages within the site that are XHTML compliant.
4. Create advanced graphic files typical of web pages using Adobe Photo Shop.

Outcome 2: Incorporate advanced multimedia within a web site.

Competencies:

1. Create an animation using Macromedia Flash.
2. Incorporate a Flash animation into a Web page.
3. Create cascading style sheets and style rules.
4. Use Dynamic HTML to create dynamic animation and other Web page effects.
5. Create a movie clip for the Windows Media Player and Real Player.
6. Design custom animations and sound files using Windows Media Player.

Outcome 3: Use advanced programming to create dynamic content.

Competencies:

1. Use JavaScript to create dynamic content on a Web page.
2. Understand and implement basic HTML coding principles in the web site.

Outcome 4: Publish a website to a server.

Competencies:

1. Publish a website in Dreamweaver using FTP.

MINIMUM COURSE CONTENT

The following topics must be included in this course. Additional topics may also be included.

I. XHTML: Part I

1. Distinguish between HTML and XHTML.
2. Describe various elements and attributes.
3. Choose a web design project and implement good design skills.
4. Create a Web page using basic body elements.
5. Create Links on a Web page.
6. Validate Web pages using the W3C markup validation service.
7. Create complex databases and forms in FrontPage 2003.

II. XHTML: Part II

1. Format text and phrase elements.
2. Add images to Web pages.
3. Create bulleted, numbered, and definition lists.
4. Create a frames page.
5. Create simple tables.
6. Build forms that send data to an e-mail account.

III. Photoshop & Image Ready: Part I

1. Identify the various tools associated with the Photoshop interface.
2. Create an image using filters.
3. Create an image using layers.
4. Create an image using text.
5. Scale an image.
6. Change the dimensions of an image.
7. Fix a scanned image with poor contrast.
8. Fix a scanned image with muddy colors.
9. Fix a scanned image with blemishes.
10. Use the Dust & Scratches.
11. De-emphasize the background of an image.
12. Use the Sponge tool to saturate an image.
13. Use the Clone tool to remove unwanted image elements.
14. Optimize an image in GIF format.
15. Optimize an image in JPEG format.

IV. Flash

1. Work with the Flash environment including the Stage, menu bar, Toolbox, panels, and Property inspector.
2. Change the properties of a document.

3. Create shapes such as ovals and rectangles.
4. Draw lines using the line tool.
5. Draw shapes with the pencil tool.
6. Use the Pen tool to draw paths.
7. Draw strokes and paint fills.
8. Select and modify objects.
9. Create and manipulate text.

V. Cascading Style Sheets: Part I

1. Use the style attribute and element.
2. Link to an external style sheet.
3. Build a basic style sheet.
4. Combine style rules with your HTML code.
5. Use CSS selectors to apply style rules.
6. Use the <div> and elements with CSS style rules.

VI. Cascading Style Sheets: Part II

1. Describe CSS measurement values.
2. Format text with the CSS font properties.
3. Use the CSS margin, padding, and border properties.
4. Add color with the CSS color properties.

VII. JavaScript: Part I

1. Describe how the JavaScript programming language works.
2. Add JavaScript to an HTML document.
3. Create a simple JavaScript program.
4. Create a JavaScript source file.
5. Work with and modify variables.
6. Define and call functions.
7. Create an HTML document that incorporates JavaScript handlers.

VIII. JavaScript: Part II

1. Identify various JavaScript data types.
2. Use expressions and arithmetic, assignment, comparison, conditional, and logical operators.
3. Create an HTML document that uses strings.

IX. Publishing website to server.

1. Publish the website using FTP.
2. Implement and Evaluate Website.

STUDENT REQUIREMENTS AND METHOD OF EVALUATION

INSTRUCTIONAL METHODS

1. Explanation and active participation of the concepts introduced in each unit.
2. Computer demonstrations.
3. Group activities including XHTML building steps and Java Script Tag.
4. Completion of exercises and lessons from the textbook.
5. Multi-media tutorials.

STUDENT REQUIREMENTS

1. Attendance is important for successful completion of the course.
2. Students will be responsible for reading any textbook or handout information, as well as, for completing each computer lab assignment by the deadline determined by the instructor.
3. Students are expected to access appropriate computer and software on an individual basis if class does not permit ample lab time.

GRADING SCALE

The final grade in this course will be based on activities, review questions, exams, and projects. The grading scale is as follows:

90 - 100%	= A
80 - 89%	= B
70 - 79%	= C
60 - 69%	= D
0 - 59%	= F

ASSESSMENT OF STUDENT GAIN

The purpose of assessing student learning at Neosho County Community College is to ensure the educational purposes of the institution are met and appropriate changes are made in program development and classroom instruction to allow for student success. The instructor(s) of this course will determine the methods of assessment most appropriate and complete an assessment report at the end of the course.

Pre-assessment ideally begins at the beginning of the course when the instructor and the student determine through conference and observation the skill level of the student. Post-assessment to determine gain in competency will be measured at the end of each unit of study and at the end of the course.

Attendance Policy

1. NCCC values interactive learning which promotes student engagement in the learning process. To be actively engaged, the student must be present in the learning environment.

2. Unless students are participating in a school activity or are excused by the instructor, they are expected to attend class. If a student's absences exceed one-eighth of the total course duration, (which equates to one hundred (100) minutes per credit hour in a face-to-face class) the instructor has the right, but is not required, to withdraw a student from the course. Once the student has been dropped for excessive absences, the registrar's office will send a letter to the student, stating that he or she has been dropped. A student may petition the chief academic officer for reinstatement by submitting a letter stating valid reasons for the absences within one week of the registrar's notification. If the student is reinstated into the class, the instructor and the registrar will be notified. Please refer to the Student Handbook/Academic Policies for more information
3. Absences that occur due to students participating in official college activities are excused except in those cases where outside bodies, such as the State Board of Nursing, have requirements for minimum class minutes for each student. Students who are excused will be given reasonable opportunity to make up any missed work or receive substitute assignments from the instructor and should not be penalized for the absence. Proper procedure should be followed in notifying faculty in advance of the student's planned participation in the event. Ultimately it is the student's responsibility to notify the instructor in advance of the planned absence.

ACADEMIC INTEGRITY

NCCC expects every student to demonstrate ethical behavior with regard to academic pursuits. Academic integrity in coursework is a specific requirement. Definitions, examples, and possible consequences for violations of Academic Integrity, as well as the appeals process, can be found in the College Catalog, Student Handbook, and/or Code of Student Conduct and Discipline.

ELECTRONIC DEVICE POLICY

Student cell phones and other personal electronic devices not being used for class activities must not be accessed during class times unless the instructor chooses to waive this policy.

NOTE

Information and statements in this document are subject to change at the discretion of NCCC. Students will be notified of changes and where to find the most current approved documents.

ACCOMMODATIONS

If you are a student with a disability who may need accommodation(s), in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990, please notify the Dean of Student Services in the Student Services Office, Sanders Hall, 620-432-0304, on the Chanute Campus, or the Dean for the Ottawa and Online Campuses, 785-248-2798, on the Ottawa Campus as soon as possible. You will need to bring your documentation for review in order to determine reasonable accommodations, and then we can assist you in arranging any necessary accommodations.

NON-DISCRIMINATION POLICY

The following link provides information related to the non-discrimination policy of NCCC, including persons with disabilities. Students are urged to review this policy.

<http://www.neosho.edu/Departments/NonDiscrimination.aspx>

SEXUAL MISCONDUCT POLICY (TITLE IX)

At NCCC, it is the responsibility of an instructor to help create a safe learning environment in the classroom, including both physical and virtual classrooms. All instructors are considered mandatory reporters at NCCC, therefore any information regarding sexual misconduct that is shared by a student in one-on-one meetings with the instructor must be reported to appropriate personnel at the College. Instructors will keep the information private to the greatest extent possible, but it is not confidential. Generally, climate surveys, classroom writing assignments or discussions, human subjects research, or events such as Take Back the Night events do not provide notice that must be reported to the Coordinator by employees, unless the reporting party clearly indicates that they wish a report to be made.

The following link provides information related to the sexual misconduct policy of NCCC, including resources, reporting options, and student rights. Students are urged to review this policy.

<http://www.neosho.edu/TitleIX.aspx>

COURSE NOTES