**Course Title:** Web Design and Development I  
**Department:** Business and Technology  
**Curriculum:** Computer Information Systems  
**Date submitted:** Spring 2014 (AAC: 14-28)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Code: CST*150</th>
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<tbody>
<tr>
<td><strong>Course Code:</strong> CST*150</td>
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<tr>
<td><strong>Course Type:</strong> X</td>
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</table>

**Course Code:** (eg. ACC 101)  
**Course Type:** X

**Course Descriptors:**
- Make certain that the course descriptors are consistent with college and Board of Trustees policies, and the current course numbering system.

<table>
<thead>
<tr>
<th>Course Descriptors:</th>
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**Course Code:** CST*150  
**Course Type:** X

**Catalog Course Description:** Designed primarily for the CIS student, this course will introduce the student to the rudimentary concepts and applications of the HTML, XHTML, Cascading Style Sheets, XML and JavaScript to produce and publish both static and interactive Web sites. Students will produce a Web site that will integrate these techniques in both client- and server-side applications.

**Prerequisites:**
- C- or better in Programming Logic and Design with Visual Basic (CSC*126)

**Corequisites:**
- None

**Elective Type:** G

**Credit Hours:** 3

<table>
<thead>
<tr>
<th>Developmental</th>
<th>Lecture</th>
<th>Clinical</th>
<th>Lab</th>
<th>Studio</th>
<th>Other</th>
<th>TOTAL</th>
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<tbody>
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<td>0</td>
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**Contact Hours:**

<table>
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<tr>
<th>Lecture</th>
<th>Clinical</th>
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<td>0</td>
<td>0</td>
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**Class Maximum:** 24

<table>
<thead>
<tr>
<th>Semesters Offered</th>
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<tbody>
<tr>
<td><strong>Semesters Offered:</strong> F/Sp</td>
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**Topical Outline:**
- 1. Develop a web page
- 2. Develop a web site
- 3. Work with cascading style sheets
- 4. Create special effects with CSS
- 5. Work with Web Tables
- 6. Work with Web Forms
- 7. Work with Multimedia
- 8. Design a Web Site with Frames
- 9. Work with XHTML
- 10. Program with JavaScript (optional)
- 11. Create an XML Document
- 12. Work with Namespaces
- 13. Validate Documents with DTDs

**Other Requirements:**
- None
<table>
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<tr>
<th>Outcomes: Describe measurable skills or knowledge that students should be able to demonstrate as evidence that they have mastered the course content.</th>
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<tbody>
<tr>
<td>Upon successful completion of this course, the student will be able to do the following:</td>
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**COURSE:**
1. understand the basic structure of HTML
2. create, edit and test simple Java scripts
3. develop a basic Web site architecture

**PROGRAM:** *(Numbering reflects Program Outcomes as they appear in the college catalog)*

**COMPUTER INFORMATION SYSTEMS ASSOCIATE DEGREE - Applications Software:**
2. create, publish and maintain a web site

**GENERAL EDUCATION:** *(Numbering reflects General Education Outcomes as they appear in the college catalog)*

2. Critical Analysis/Logical Thinking - Students will be able to organize, interpret, and evaluate evidence and ideas within and across disciplines; draw reasoned inferences and defensible conclusions; and solve problems and make decisions based on analytical processes.

- **Demonstrates:** Identifies the issue(s); formulates an argument; explains and analyzes relationships clearly; draws reasonable inferences and conclusions that are logical and defensible; provides support by evaluating credible sources of evidence necessary to justify conclusions.
- **Does Not Demonstrate:** Identifies few or no issues; formulates an argument without significant focus; provides an unclear explanation of analysis and relationships; drawing few reasonable inferences and conclusions that are illogical and indefensible; provides little to no support using credible sources of evidence necessary to justify conclusions.

**Evaluation:** List how the above outcomes will be assessed.

Assessment will be based on the following criteria:
1. weekly exercises
2. written exams
3. production of a final Web site that successfully demonstrates a working knowledge of the techniques covered in class (that web site will be uploaded into ePortfolio)

**Instructional Resources:**
- List library (e.g. books, journals, online resources), technological (e.g. Smartboard, software), and other resources (e.g. equipment, supplies, facilities) required and desired to teach this course.

- **Required:** No special facilities are required.

- **Desired:**

**Textbook(s)**
- Textbook: Refer to current academic year printout.