# Web Design and Development II

**CST* K252 T01**

**Three Rivers Community-Technical College**
**Norwich, CT 06360**

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**Office Hours by appointment only**

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## Course Description

This course introduces intermediate skill for web site developments. It will :

1. Concentrate on using non-proprietary tool sets to implement these skills.
2. Cover the rudimentary processes for client and server side processing. Beginner programming concepts will be introduced.
3. Introduce the different data and behavioral models associated with client side processing
4. Java Server Pages will be used for server side processing where possible
5. Cover Dynamic HTML
6. Present server database processing

## Method of Evaluation

1. Homework Assignments (basic completeness plus student enhancements)
2. Class Participation, individual initiative and assistance to other classmates.

## Exam Make ups

N/A

## Attendance

Attendance requirements will be discussed at the first class.

## Required Text

Internet & World Wide Web – How to Program
Deitel, Deitel and Nieto
Third Edition
ISBN 0-13-145091-3

## Reminder

Bring the CD provided with your book to class. You will be asked to use it during the course.

## Course Outline with Assignments

Topic 1

Introduction to the web application model.

Assignments

Create required html to start assignment web site. The index page for the web site will contain at least two frames. One will be used for navigation through the assignment web site and the second frame will be used to display content.

Required Reading

Chapters 4, 5, and 6. These are a HTML review

Topic 2

Review XHTML, including tables for formatting and organizing documents. Review of CSS.

Assignments from Chapter 4

Create one document that solves

4.10

4.11

4.12

Assignments from Chapter 5.

5.6

5.9

Assignments from Chapter 6

6.8 (make up data to be displayed for the data for the survey)

6.9

Required Reading

Chapter 7

Topic 3

Chapter 7 – Introduction to Scripting

Assignments from Chapter 7h

Exercises

7.18

7.20

7.27

7.31

Required Reading

Chapter 8

Topic 4

Chapter 8 – JavaScript: Control Structures I

Assignments from Chapter 8

Exercises

8.11

8.14

8.16

Required Reading

Chapter 9

Topic 5

Chapter 9 – JavaScript: Control Structures II

Assignments from Chapter 9

Exercises

9.9

9.11

9.16

9.17

Required Reading

Chapter 10

Topic 6

Chapter 10 – JavaScript: Functions

Assignments from Chapter 10

Exercices

10.7

10.14

10.29

10.32

Required Reading

Chapter 11

Topic 7

Chapter 11 – JavaScript: Arrays

Assignments from Chapter 11

Exercises

11.10

11.14

11.20

Required Reading

Chapter 12

Topic 8

Chapter 12 – JavaScript: Objects

Assignments from Chapter 12

Exercises

12.4

12.6

12.7

12.26

Required Reading

Chapter 13

Topic 9

Chapter 13 – Dynamic HTML Object Model and Collections

Assignments from Chapter 13

Exercises

13.4

13.5

13.6

13.7

Required Reading

Chapter 14

Topic 10

Chapter 14 – Dynamic HTML: Event Model

- Assignments from Chapter 14
  - Exercises
    - 14.4
    - 14.5
    - 14.6
    - 14.8
  - Required Reading
    - Chapter 20

Topic 11

- Chapter 20 – Extensible Markup Language (XML)
- Assignments from Chapter 20
  - Exercises
    - 20.9
    - 20.10
    - 20.13
    - 20.16
  - Required Reading
    - Chapter 36

Topic 12 **(optional)**

Chapter 36 – Servlets Bonus For Java Developers (on CD)

Homework from Chapter 14

Exercises

14.5

14.6

Required Reading

Chapter 37

Topic 13 **(optional)**

Chapter 37 JavaServer Pages (JSP) (on CD)

Exercises

To be announced

## Assignments

A Web Server is provided for use by the class. Students will have their own folder on the Web Server. All assignments will store in the students folder on the "I" drive. Students are highly encouraged to make backup copies of all assignments. All assignments will be moved to the class web server for grading purposes. The instructor will assist with this effort. Assignments are due one week after completion of the chapter in which they are assigned and will be moved to the class server during the lab portion of the class. The instructor will mark the assignments turned in at that time.

## Grades

| | |
|---|---|
| Class assignments | 95% |
| Discretionary | 5% |

## Withdrawal Policy

Student may withdraw, in writing at the Registrar's Office, for any reason until the 10th week of classes. From the 11th through the 13th week, a student may withdraw with the signature of the instructor or advisor.

## Disabilities Statement

If you have a hidden or visible disability, which may require classroom or test-taking modifications, please see me as soon as possible. If you have not already done so, please be sure to notify Chris Scarborough, Disabled Student Counselor.