

# **Web Design and Development II**

**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, with a server side programming language, and MySql

## **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 Deitel  
Fifth Edition  
ISBN-10 0-13-215100-6  
ISBN-13 978-0-13-215100-9

## **Course Outline with Assignments**

### Chapter 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

Chapter 2.

### Chapter 2

Introduction to HTML 5 Part 1, including list, tables and forms

#### Assignments

Exercises

2.15

2.16

#### Required Reading

Chapter 3

### Chapter 3

Introduction to HTML 5 Part 2, including input types, autocomplete and data list.

#### Assignments

Exercises

3.8

3.11

#### Required Reading

Chapter 4

### Chapter 4

Introduction to Cascading Style Sheets Part 1

#### Assignments

Exercises

4.8

4.9

#### Required Reading

Chapter 5

## Chapter 5

### Introduction to Cascading Style Sheets Part 2

#### Assignments

#### Exercises

5.9

5.11

#### Required Reading

#### Chapter 6

## Chapter 6

### JavaScript: Introduction to Scripting

#### Assignments

#### Exercises

6.17

6.20

6.24

#### Required Reading

#### Chapter 7

## Chapter 7

### JavaScript: Control Structures I

#### Assignments

#### Exercises

7.14

7.15

7.20

#### Required Reading

#### Chapter 8

## Chapter 8

### JavaScript: Control Structures II

#### Assignments

#### Exercises

8.8

8.10

8.11

#### Required Reading

#### Chapter 9

## Chapter 9

JavaScript: Functions

Assignments

Exercises

9.23

9.24

9.26

Required Reading

Chapter 10

## Chapter 10

JavaScript: Arrays

Assignments

Exercises

10.10

10.14

10.17

Required Reading

Chapter 11

## Chapter 11

JavaScript: Objects

Assignments

Exercises

11.4

11.6

11.7

11.22

Required Reading

Chapter 12

## Chapter 12

Dynamic HTML Object Model and Collections

Assignments from Chapter 12

Exercises

12.5

12.6

12.7

Required Reading

Chapter 13

## Chapter 13

### Dynamic HTML: Event Model

#### Assignments

#### Exercises

13.4

13.5

13.6

## **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.