

# **IT201**

## **Web Site Design**

### **[Onsite]**

**Course Description:**

Design principles and interactive communication techniques are used to create an aesthetic and communicative Web site. Students will use HTML, VRML and JAVA scripts in the creation of the Web page

**Prerequisite(s) and/or Corequisite(s):**

None.

**Credit hours: 4**

**Contact hours: 50 (30 Theory Hours, 20 Lab Hours)**



# STUDENT SYLLABUS

Instructor: \_\_\_\_\_

Office hours: \_\_\_\_\_

Class hours: \_\_\_\_\_

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## Course Overview

This course dedicates a considerable part discussing some designing principles and practices with emphasis on how to use graphic application tools to manipulate static and 2-D animated images in the Web environment.

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## Major Instructional Areas

Design Concepts  
Working with Tools in PhotoShop  
Basic Photo Correction in PhotoShop  
Optimizing Web Images  
Working with Drawing and Color Tools in Flash  
Working with Images and Text in Flash  
Working with Animations in Flash  
Adding Interactivity by Using Flash

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## Course Objectives

Upon successful completion of this course, the student will be able to:

Describe human characteristics that are important in designing a website.

Use selection and brush tools within PhotoShop CS.

Use the file browser of PhotoShop CS.

Use basic photo correction tools and filters with an image within PhotoShop CS.

State the user's psychological and physical characteristics.

Describe Human, Hardware and Software considerations in designing a web page.

Use the Magic Wand and Lasso Tool.

Use the Gradient tool.

Flatten a multilayered image.

Create, Edit and Apply a Quick Mask.

Create slices and use ImageReady to create an image map

Optimize image files for the web

Adjust the amount of dithering applied to an image

Effectively use the drawing and color tools.

Create animations and buttons.

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## Student Textbook

1. Adobe Systems Classroom in a Book, Adobe Photoshop CS3 (with CD-ROM containing hands-on assignment files). Peachpit Press 2007.

2. Todd Perkins. Adobe Flash CS3 Professional (including Exercise Files + Training Videos). Peachpit Press 2008.

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## Prescribed texts online (ITT Tech Virtual Library)

Certain sections of the following books are required for theory discussions in the first 5 weeks. Students will not have hard copies of these books, but can be pointed to their whereabouts in the Virtual Library.

Luke Wroblewski, Site-Seeing: A Visual Approach to Web Usability, John Wiley & Sons, 2002

Pradeep Henry, User-Centered Information Design for Improved Software Usability, Artech House, 1998

Ann Navarro, Effective Web Design 2<sup>nd</sup> Ed., Sybex 2001

Tom Brinck, Usability for the Web: Designing Web Sites That Work, Morgan Kaufmann Publishers, 2002

To find this book:

- Enter the Virtual Library
- At Main Menu click on: Books
- Within Books submenu, click on: Books 24x7
- Enter *Brinck* in the second text box titled **Look Up Books You Know** and click on *Lookup*
- It should be the only one found

## Course Outline

Unit	Topic (Lecture Period)	Chapter	Lab and Other Coverage
1	Introduction to PhotoShop CS3	Classroom in a Book, Lessons 1, 2 & 3	Lab
2	Know Your User and Working with Selections & Layers	Classroom in a Book, Lessons 4 & 5	Lab
3	User Needs Analysis and Mask & Channels	Classroom in a Book, Lesson 6	Lab
4	Preparing Files for the Web & Optimizing Web Images	Classroom in a Book, Lessons 12	Lab
5	Color, Rollovers & Animating GIFs	Classroom in a Book, Lessons 12	Lab
6	Introduction to Flash CS3 Professional	Perkins: 1, 2, 3	Lab
7	Creating Graphics and Animation Basics	Perkins: 4 and 5	Lab
8	Working with Symbols and Instances	Perkins: 6	Lab
9	Bitmaps and Buttons	Perkins: 9 and 10	Lab
10	Using Movie Clips and ActionScript Basics	Perkins: 11 and 12	Lab
11	Final Written Examination		Final Lab Examination Two part Lab Final

## Evaluation Criteria and Grade Weights

Assignments:	10%
Lab Assignments:	50%
Final Lab:	20%
Final Exam:	20%

Final grades will be calculated from the percentages earned in class as follows:

A	90 - 100%	4.0
B+	85 - 89%	3.5
B	80 - 84%	3.0
C+	75 - 79%	2.5
C	70 - 74%	2.0
D+	65 - 69%	1.5
D	60 - 64%	1.0
F	< 60%	0.0