




Syllabus & Curriculum For Certificate Course In Photoshop

Prepared by DOEACC Centre, Calicut



Syllabus & Curriculum
For Certificate Course In
Photoshop

1. Course Description

PhotoShop is professional image-editing and graphics creation software from Adobe. It is a bitmap-based, graphic drawing program that designers use to create professional artwork or advertisements. This program is typically used to scan and alter photographic images.

2. Pre-requisite

Students should have basic knowledge in using Windows operating system, and to access and work with the files and programs using Windows OS. It will be more preferable, if you have color sense and some photography or artistic skills.

3. Hardware & Software requirements

Hardware: Personal Computer or a terminal with 115MB free Hard disk space and 256MB RAM for reasonably good performance.

Software: Adobe PhotoShop CS2, CS or 7.0 with Windows (XP, 2000, or 98)/ MAC OS

4. Course objectives and content

Upon completion of this course students will be able to:

- Learn how to manipulate, edit, and adjust images by using, the different tools in Photoshop. Students will learn how to apply layer effects and filters to create special effects, including lighting and texture effects.
- To show advanced skills in using painting tools and blending modes to create special effects and quality artworks.
- Perform good skill in color correction and restoration of photographs and images.
- To learn how to optimize images for use on the Web, and the advantages of using image slicing techniques.
- Demonstrate basic skills in developing a time-based production.

5. Suggested reference material

a. Text books

- 1 Photoshop CS2 Bible by Laurie Ulrich Fuller and Deke McClelland
- 2 PhotoShop CS for digital photographers by Colin Smith
Publisher: Charles River Media. 1st edition (2004 edition)
- 3 Photoshop CS Bible Professional Edition

b. Recommended Web sites

1. <http://www.insidegraphics.com/photoshop>
2. <http://www.tutorialized.com/tutorials/Photoshop>
3. <http://www.trainingtools.com/online/photoshop7>
4. <http://www.pslover.com/tutorials/basics>

c. CDs

- 1 Photoshop Secrets-CS2 for Digital Photographers
- 2 Photoshop CS2 Type Effects
- 3 Photoshop Secrets Special FX

6. Examination /Evaluation scheme

The evaluation will be done based on one theory Examination of 2 hours and practical examination of 3-hour duration.

- Theory Examination: The examination will be of 2 hours duration and will contain 100 objective type questions with maximum marks of 100.
- The questions will be in proportion to the weightage of the modules described in this curriculum.
- Practical Examination: One Practical examination of 3 hours duration will be conducted on the modules described in the curriculum. The maximum marks will be 100.

7. Suggested duration for Theory, Practical sessions and Project

Sl.No	Modules	Duration in hrs			Weightage of Modules
		Theory	Lab	Final Project	
1	Fundamentals	10		10	25%
2	Photoshop Interface Tools and Options	30	20		25%
3	Layers, Channels and Actions	10	10		15%
4	Restoring and enhancing images	15	15		20%
5	Text editing and special effects	10	10		10%
6	Web application and animation	5	5		5%
Total		80	60	10	100%

Detailed Syllabus

Contents

Module 1: Fundamentals

**Module 2: Photoshop Interface,
Tools and Options**

Module 3: Layers, Channels and Actions

Module 4: Restoring and Enhancing Images

Module 5: Text Editing and Special Effects

Module 6: Web Application and Animation

Module 1: Fundamentals

Graphics Basics

- Bitmap vs. Vector-Based Graphics
- Color/Bit Depth and Image Resolution
- Graphic File Formats
- Optimizing Web Graphics
- Regular Text vs. Anti-Aliased Text
- Pixel Resize vs. Smart Resize
- Regular Graphics vs. Interlaced Graphics
- Lossy Compression vs. Lossless Compression
- Dithered Graphics vs. Non-Dithered Graphics
- Standard Selection vs. Floating Selection
- Tolerance
- Opacity

Introduction to Color

- Color modes- RGB, CMYK, Grayscale, LAB, Bitmap
- Hue, Saturation, and Brightness
- Browser Safe Colors
- Shadows, Highlights and Midtones of an image

Module 2: PhotoShop Interface, Tools and Options

Photoshop Environment

- About Photoshop
- The Photoshop Interface
- Setting up a new Photoshop document
- Saving a new document
- The Default Palettes
- Working with Photoshop Palettes
- The Photoshop Toolbox and Options bar
- Using Guides and Ruler

Photoshop Image and Color Basics

- Supported import and export image formats
- Opening an Image in Photoshop
- Creating Images In Photoshop
- Saving Images In Photoshop
- Basic Image Editing
- Changing Image Size
- Cropping an Image
- Changing Color/Bit Depth
- Optimizing Images using Save for Web
- Working with Color in Photoshop

Photoshop Tools

- Parts of the Toolbox
- Toolbox Shortcuts
- Tools Options
- Marquees
- Magic wand
- Lassos
- Move tool
- Crop tool
- Slice tools
- Pencil
- Paintbrush
- Eraser tools
- History brushes
- Clone stamp-Pattern stamp
- Healing brush tool
- Retouch tool
- Gradient
- Paint bucket
- Burn-Dodge-Sponge
- Blur-Sharpen- Smudge
- Shapes-line-rectangle-polygon-custom shapes

- Path selection tool
- Pen tool
- Type tools
- Notes tool-Audio annotation
- Eyedropper-Color sampler- Measure tool
- Hand-Zoom
- Quick mask-Screen modes
- Jump to Image Ready
- Back ground and Foreground.

Transforms

- Using Free transform
- Move
- Rotate
- Scale
- Skew
- Distort
- Perspective
- Flip-vertical, horizontal
- Invert
- Rotate 180°
- Rotate 90° CW
- Rotate 90° CCW

Module 3: Layers, Channels and Actions

Photoshop Layers

- About Layers-Fill and adjustment layers
- The Layer Palette
- Naming Layers
- Creating Layers
- Deleting Layers
- Viewing Layers
- Moving Layers
- Layer Opacity
- Locking Layers
- Merging Layers
- Layer modes and blending options
- Image compositing using layers

Photoshop Channels

- About channels
- The channel palette
- Creating and viewing channels
- Modifying channels
- Deleting channels
- Alpha channels and masks

All about Actions

- Using the Action palette
- Recording Action
- Playing Action
- Editing Action
- Loading a saved action

Module 4: Restoring and Enhancing images

Restoration of photos

- Restoring damaged photos
- Photo retouching

Photo enhancement and Color correction

- Changing Levels
- Changing Curves
- Color balance
- Changing Brightness and Contrast
- Changing Hue Saturation and Brightness
- Changing a grayscale image to a colored image.
- Histogram
- Gradient map
- Desaturate
- Invert
- Color replace
- Selective color
- Equalize
- Threshold
- Channel mixer
- Posterize
- Changing background using layer compositing

Module 5: Text editing and Special effects

Text editing in PhotoShop

- About the type layer
- Creating vertical and horizontal types
- Point and paragraph text creation
- Using horizontal and vertical type mask tools
- Using Character palette for text editing
- Choosing a font
- Changing the type color
- Choosing a type size
- Specifying kerning and tracking
- Using fractional character widths
- Specifying baseline shift
- Applying underline and strikethrough
- Text alignment and justification
- Specifying anti-aliasing
- Creating text warp
- Rasterizing type
- Converting type to shapes
- Adding effects to text

Photoshop Special effects and Filters

- About Special Effects
- Using Filters
- Basic Filter Examples
- Artistic Filters
- Distorting Filters
- Filter Combinations
- Plug-in Filters

Module 6: Web application and animation

Adobe ImageReady

- About Image Ready
- Opening Image Ready
- The Image Ready Interface
- Image Maps
- Image Slicing
- Basic Animation

Photoshop for building web interface

- About the Interface

