

# ADOBE PHOTOSHOP

No. of Hours : 30 Hours

## UNIT I : PRELIMINARIES, SELECTIONS AND PATHS

7 Hours

- **The Photoshop Interface** – setting Photoshop preferences, importing documents of different formats into Photoshop, zooming and zooming out of images, navigating images, setting up a new document, the history palette, undo and redo; the Photoshop online help system.
- **Scanning** - scanner resolution, determining image resolution; The scanning interface; Actual scanning and the things to be kept in mind; File formats; Scaling scanned images - enlarging, reducing and resampling.
- **Selections** - selection basics, saving and loading a selection, making selections with the different selection tools, with quick mask, using the colour range command; editing the selection outline, copying and pasting selections; filling selections - with colour, pattern or with a snapshot; applying strokes to selections.
- **Paths** – different types of anchor points, creating, saving and editing paths: using paths – for filling, stroking, selecting, etc.

## UNIT II : PAINTING AND EDITING IMAGES

7 Hours

- **Painting** - the foreground and background colours; using the colour palette and the swatches palette; sampling colours from an image; the brushes palette - modifying brush options, creating and deleting brushes, creating custom brushes; the paintbrush tool, the shape tools, the pencil tool, The eraser tool, the paintbucket tool, the gradient tool : setting their options and using them to edit images; different types of gradients, creating and editing gradients; painting into line art.
- **Editing Images** - retouching images using the clone stamp tool, the patch tool and the healing brush tool; using the smudge tool, blur and sharpen tools, burn and dodge tools and the sponge tool.
- **Transformations** - scaling, rotating, skewing and distorting; adding perspective; making numeric and arbitrary transformations; the free transform; the image size command, the canvas size command, the rotate canvas command; using the crop tool.

## UNIT III : LAYERS AND CHANNELS

8 Hours

- **Layers** - layers, and their uses; the layers palette and editing and compositing layers using the layers palette and commands on the layer menu; layer masks and their uses, how to create and edit layer masks; creating clipping groups; Adjustment layers and their uses, creating and editing adjustment layers; layer styles, applying and editing them, preset layer styles and the styles palette.
- **Channels** - channels and their functions, the channels palette - viewing, targeting and reordering channels; editing images by duplicating a channel to the same document and to a different document, deleting a channel, splitting and merging channels; colour channels and alpha channels; saving selections as channels, loading selections from channels; editing and compositing with channels, editing colour information channels; creating masks that fade with gradients.

## UNIT IV : TYPE AND IMAGE ADJUSTMENTS, FILTERS, PRINTING AND EXPORTING 8 Hours

- **Creating type** – the type tools and the type mask tools, artistic and paragraph type, editing text using the character and paragraph palettes, rasterising type; different types of text special effects, warping text.
- **Image Modes** - image modes and colour models in Photoshop, pixel depth - 1 bit, 8 bits, 24 bits and 32 bits per pixel.
- **Colour Correction** – an overview of all the image adjustment commands in Photoshop with special reference to the Hue/Saturation, Levels and Curves commands, making colour corrections using adjustment layers.
- **Filters** - A general approach to using filters, fading a filter, types and categories of filters; an introduction to Photoshop's native filters with special reference to some important filters such as the filter gallery, liquefy, lighting effects, lens flare, etc. , popular third party filters; using filters for editing images and for obtaining special effects, elements of creating custom filters – the filter factory.

- **Printing** - preparing Photoshop for printing, preparing the page, preparing colour separations; the print command and the print dialog.
- **Saving and exporting** - preparing images for saving, saving files - compressing images, choosing file formats especially TIFF, EPS, JPEG, PCX, PICT, PNG, BMP formats and Photoshop's native format.

### **PRACTICALS**

A student will be expected to design and create images based on samples of artwork and images provided / suggested.

### **REFERENCES**

1. The Photoshop user's manual.
2. The Photoshop online help system.