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PHOTO MANIPULATION AND SPECIAL EFFECTS USING ADOBE PHOTOSHOP 4



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Course Outline

Course objectives and overview of topics

Adobe PhotoShop is more than a image editing software – it also included powerful text manipulation features. This course gives the basic background for image manipulation, working with layers and special effects. It is assumed that the participant has access to the PhotoShop plugin from AlienSkin Software since some effects will be learned using this particular plugin.

After this 2-day course, the participant can use PhotoShop for editing and modifying existing digital images or photos scanned into the package. He/she learns how to apply special effects to pictures, consisting of multiple graphic objects. The participant will also learn how to productively use the AlienSkin plugin.

The following topics will be covered

- The PhotoShop work area
- Setup preferences
- Moving, copying pasting selections
- Cropping Pictures
- Cutting out part of a picture
- Cutting out part of a picture with background tuning (channels)
- Working with layers (combining image objects)
- Inverse Text
- Feathers
- Feathers (another approach)
- Apply shadow to text
- 3-D effects (using Alien Skin Software plugin filters)
- Working with textures and filters
- Preparing for printing

Course procedure

After a brief overview, you will straight go into practice. In fact, you will be learning the very basic PhotoShop features. You will be guided through the various steps by InfoTECH's instructor. If you don't understand a certain thing, please ask immediately. Don't be scared or afraid – you can master Adobe PhotoShop! Remember that every software is once new for a person – even for the best and most experienced PC crack. So relax, experiment, make mistakes, correct them and get the most out of this course.

HAPPY LEARNING AND MAKE THE MOST OUT OF THIS COURSE!!!

Photoshop 4.0

Cropping Pictures

- Open the picture (**Fruit.jpg** from the Adobe\photoshop\sample directory) you want to Crop

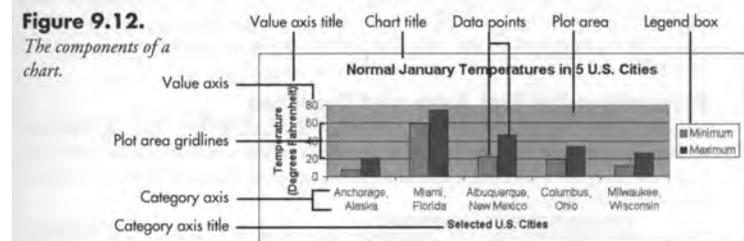


- Get the **Crop** button from the **Marquee** tool
- Mark the area you want to crop by dragging the mouse
- The area to be cropped is now highlighted
- In **Image** select **Crop**
- The image will be cropped

Cutting out part of a picture with background tuning

In some cases – specially if dealing with scanned gray-scale pictures – you might want to cut out a specific part. In addition, you don't want that the background of the cut-out part is fully white (if white is your default background) but maybe a little more grey.

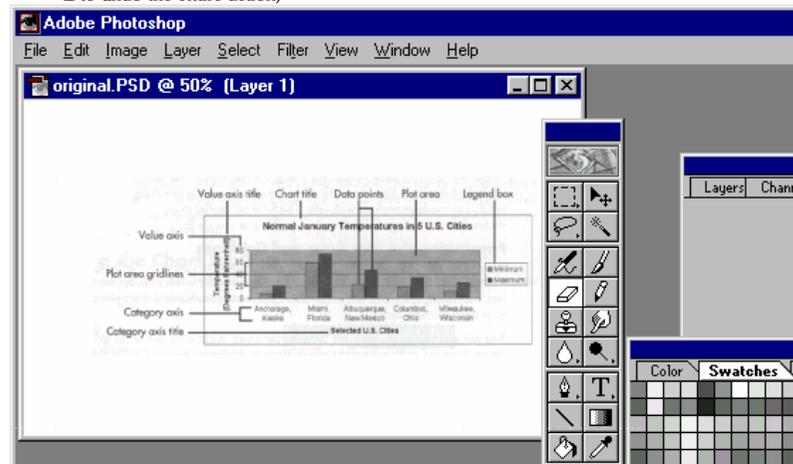
- Using your scanner software, scan the picture into the clipboard (maybe you want to use Microsoft Photo Editor). You may get something like this:



- Your aim now is to delete the words on the far left ("Figure 9.12. The components of a chart").
- Start Adobe PhotoShop, select **File New**
- Enter the approximate size of the scanned picture, then the desired resolution
- Make sure that the background is selected in **Content as White**.
- From **Edit** chose **Paste** to copy the content of the clipboard in the new PhotoShop file

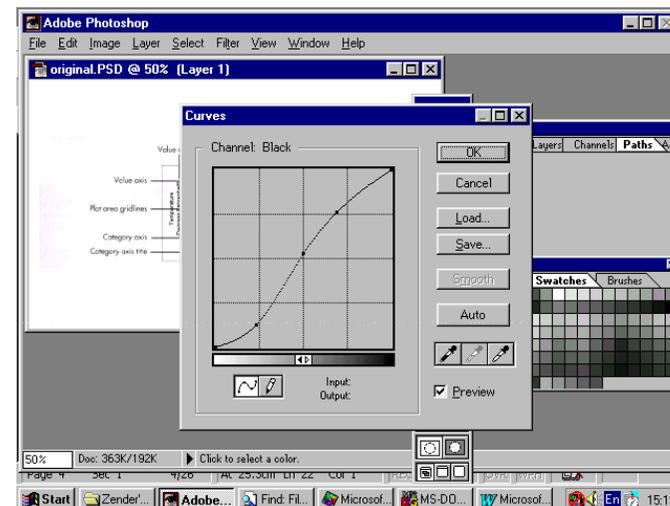
You have now several possibilities

- you could use the **Eraser** – but this will make the erased part fully white (so you might want to press **Ctrl Z** to undo the entire action)



- You could use the **Lasso tool** to select the text you want to delete; then you press **Delete** to delete the text, then **Ctrl D** to deselect the marked (deleted) area; now you click on **Image** then **Adjust**, then **Curves**
A window like the one on the left will appear
You have to "play" around with this line to make the deleted part looking similar to the entire background of the image

You have now

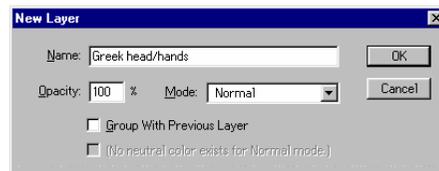
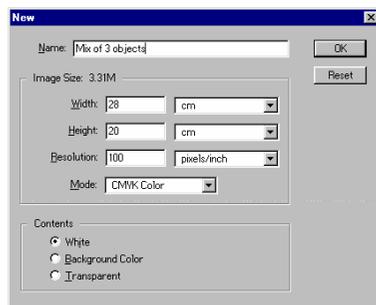


Working with layers (combining image objects)

- Open all three sample images. Your final picture in this step will be: the black picture will be the background of the picture with the pot while the green leaf will be pasted on top of the pot.
- First, make a new file with the following values



- In the **Layers** window, click on **New Layer**; give it a name for the black (background) picture

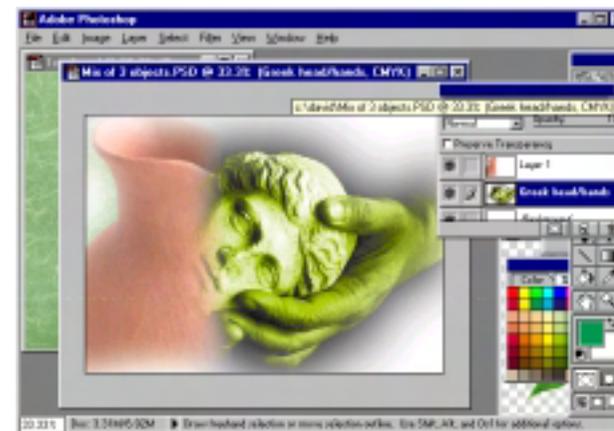


- Select **Lasso** tool, click under **Windows** on **Show Options**
- In the **Lasso Options**, make feather e.g. 20 or 25
- Now drag the lasso around the object, in this case the hands and the head
- Use **Edit | Copy** to paste the marked object on the empty picture; you may need to use the lasso again on the left and right side of the pasted image (and both times pressing **Delete**)
- Now you can scale the image by using **Layers | Transform | Scale**. Make sure that you hold down the



Shift key while you scale (to preserve the ratios)

- Click the original black image; you don't need it any more
- You might want to change the color of the newly pasted image; go to **Image | Adjust | Hue/Saturation**, click on **Colorize**, then play around with the Hue to get the desired colour
- Now click on the pot picture; use the **Lasso** to mark the pot
- Copy to pot with **Ctrl C** and **Ctrl V** to the picture with the head/hands
- You have to use the lasso tool again to get rid of the straight corners. While you do that, you can see in the **Layer** window that you are working now on the pot object. That means, the lasso-marking has only an effect on the pot object. You can use **Layers | Transform | Scale** to make the pot bigger
- You may want to select again the head/hands layer, then use the lasso tool to cut the left green background section of the this object
- Now you should have something like this



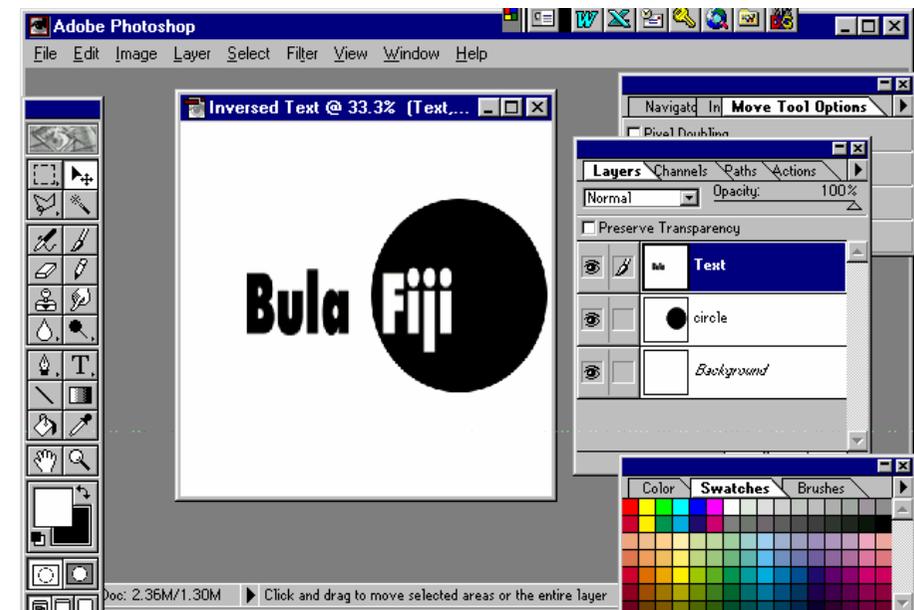
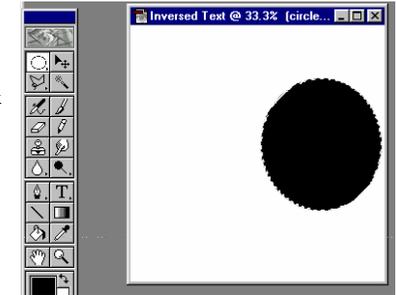
- Now you are about to select the third object, the leaf (you can resize it the way you did with the other objects). Since it was taken of a picture with a *transparent* background, you can easily move it on top of the hands/head object. However, because the layer with the pot is on top, you *cannot* move it on top of the pot object – it will actually “glide” underneath this object
- It is maybe also wise to apply feathers to the leaf – it just looks better on top of the pot.
- Select the polygon lasso tool, and cut around the leaf. But make sure that you have feathers 20 applied in the option window.
- Now you can copy the leaf out by using Ctrl + C, then paste it on top of the pot with Ctrl + V
- Make your final adjustments: your artwork may look like the one below now:



Inverse Text

Sometimes you want to write text over an object. Let's assume this object is dark. If you wouldn't do anything, you may not be able to read the text. The part of the text on top of the object has thus be inverted in a brighter colour, preferably white. Follow these steps:

- Make a new layer with **Layer | New**, name it **Circle**
- Now with the Circle tool, draw a circle
- With **Edit | Fill** you can now fill this circle – you might want to use the foreground colour which is normally black
- Press Ctrl + D for deselecting the moving border around the circle
- Make a new layer for the text with **Layer | New**, name it **Text**
- Now type the text, for example **Bula Fiji**; use a fat font like Futura Extra Bold, maybe 40 points
- Drag the text over the black circle until you can't see the **Fiji** part
- Using the Marquee tool, select the area where you know Fiji is
- Confirm your selection with Ctrl + A, then Ctrl ↑; the word Fiji has now been selected
- Now you can fill the Fiji part with another colour by selecting **Edit | Fill**, then use background colour (which is normally white)
- That's is – so simple!



Feathers

- Get the **Select** button from the **Marquee** tool



- Mark the area you want to apply feathers from
- Enter a value in the **Feather** section of the **Marquee Options** tab, e.g. 20
- In **Select** select **Inverse**
- The picture will have now two borders applied to
- Press the **Delete** key until you are satisfied with the feathering
- If you want, you should now press **Ctrl A** (for **Select All**), then save the picture in your desired format

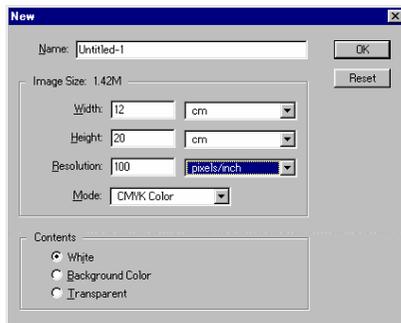


Feathers (another approach)

- With **Pen** tool, mark the outline of the object to which you want to apply feathers
- In **Windows**, select **Path**, then **Save Path**; optionally you may want to give a name to the path by double-clicking on working-path
- Select the third tab from bottom left (a message will appear "Loads path as a selection"); the outlined object will have a thin dashed outline around it
- Click anywhere in the empty space of the **Path** window to load the selection; the outlined object will now have a moving darker dashed outline around it
- Go to **Select**, then **Inverse** to select the background (but not the object itself)
- Now make sure that you have a white background (click on background/foreground button if needed)
- Press **Delete** key to delete the background, in the sample below it will now be white



- Now click on **Select** then **Inverse** again to select the outlined object only
- Again click on **Select**, then **Modify**, then **Expand**. Enter the number of pixels to want the feathers to offset from the object
- Go to **Select**, then click **Feathers**. Enter the desired number of feather pixels (e.g. 10)
- Now go to **Edit**, click on **Copy**. The object will be copied
- In **File** select **New**; make sure the new image has a similar size, use mode **CMYK** and **White** background



- In **Windows** select **Show Swatches**; select any background colour; then under **Edit** click **Fill** – the new image has now the selected colour with a dotted border around it
- Press **Ctrl D** for De-Select the moving dotted border
- Press **Ctrl V** for pasting the other picture; the pasted picture has already feathers around it

Apply shadow to text

- Click on the **Text** tool
- Position cursor on the drawing area, then Click
- Enter text in desired font, size and appearance
- If needed, apply **Show Layer in Window**
- Right-mouse click on **Layer** tab
- Select **Duplicate Layer**
- You have now two layers
- Highlight Layer 1
- Press **Ctrl A** and then **Ctrl Arrow Up**
- The text will be selected



- Now select foreground colour of your choice in the **Colour** tool
- Under **Edit**, select **Fill**
- The colour will be applied on the selection
- Deselect with **Ctrl D**
- Now select the Copy Layer
- With the **Marquee** tool, select a larger area, but make **Feathers 0**
- The area will be selected
- Under **Filter** under **Blur**, select **Gaussian Blur**
- Apply **Radius** pixels until you are satisfied
- Deselect with **Ctrl D**
- Get **Move** tool
- Drag Layer 1 Copy until you have the right shadow

You also can experiment with other filters.

Cut part of a photo

There are mainly two ways of cutting a part of a photo out.

1. You can use the **Pen** tool (very accurate)
2. You use the **Lasso** tool

For the following example we use the **Pen** tool



- Open the picture (**Fruit.jpg** from the Adobe\photoshop\sample directory) you want to cut part of it
- Select the **Pen** tool
- You may want to use the **Zoom** tool to zoom in the area to be cut, after that select the **Pen** tool again
- Click on the Rose of the picture and click nicely around this element.
- Ensure that the starting and ending point meet
- Get the **Mark** tool
- In **Window** select **Show Path**
- In the **Path** tab click on the right arrow, then **Save Path**; you can give a name if you want
- With the **Marquee** tool, select the area; you might want to use feathers
- Under **Edit** use **Copy**, then **File** and **New**, where you can **Edit** and **Paste** the cut-out selection
- Save the image in your desired format

3-D effects (using Alien Skin Software plugin filters)



Alien Skin Software produces some very interesting filters. Here is how to apply them:

- Select the area you want to apply an Alien Skin filter (use **Ctrl A** and then **Ctrl Arrow Up** if you want to select text)
- You may want to apply a gradient (e.g. rainbow), select **Gradient** tool, then in the **Gradient** tab, select **Type** and choose whatever you like (you may want to **Edit** the type); click on the starting point of the gradient and drag over the object; now the gradient will have been applied
- Under **Filter** you select **Alien Skin**
- You can experiment with various filters, **Outer Bevel** or **Inner Bevel** are ideal for 3D effects
- You may also want to apply **Drop Shadow**, to give it even a more impressive outlook

