

## DIGITAL PHOTOGRAPHY AND YOUR COMPUTER

### Image Manipulation (Session 5) (handout)

1. Open image in PhotoFiltre
  - pull up bottom of frame to check level
  - to straighten
    - click on “Image” button
    - select “Rotate” then “Free”
    - change angle until image is straight on at least one edge
2. Crop
  - left click mouse and draw outline around image
  - from “Image” menu select Crop
  - or right click mouse inside selected area then click on Crop
3. Fill edges of image after crop
  - enlarge image to about 200 %
  - select “Rubber Stamp” tool
  - set radius and hardness (about 15 and 40%)
4. Line tool
  - enlarge image to about 300%
  - use “Eyedropper” tool to select line color
  - select “Line” tool then enter line width & opacity (about 2 pixels & 50%)
  - reduce image back to 50%
5. Levels, Gamma, Brightness, Contrast
  - click on “Auto levels”
  - if no good go to “Edit” then “Undo”
  
  - click on “Auto Contrast”
  - accept or undo
  
  - click on “Gamma plus or minus”
  - changes contrast and brightness together
  - accept or undo
  
  - click on “Brightness plus or minus”
  - accept or undo
  
  - click on “Contrast plus or minus”
  - accept or undo
6. This is a good point to save your corrected image using “Save As” and give file a new name.
7. Other tools you can try
  - Saturation - enhances or dulls color intensity
  - Grayscale - changes image to a grayscale (black and white)
  - Old Photography - changes image to a Sepia tone
  - Dust Reduction - removes small speckles from image

Soften - tones down a hard look  
Blur - blurs image  
Sharpen - increases sharpness of image  
Reinforce - applies multiple sharpness adjustments  
Hue Variation - provides many colors to use  
Gradient - applies a gradient tone across image  
Photo Masque - provides a number of overlay masks to apply to image  
Flip Horizontal - flips image end to end horizontally  
Flip Vertical - flips image end to end vertically  
Rotate 90 degrees CCW - rotates image 90 degrees counter clockwise  
Rotate 90 degrees CW - rotates image 90 degrees clockwise

8. Change an objects color

enlarge image to easily work on it  
select an area for color change  
select "Magic Wand" tool  
    set tolerance (small areas low tolerance, large areas high tolerance)  
click on area to be changed, some or all of it will be outlined by the wand  
click on "Hue Variation" and select color  
click on outlined area and color change will occur

undo a Magic Wand selection by right clicking in selected area then clicking on "Hide Selection"

9. Prepare image for printing

click on "Image" menu then on "Image Size"  
make sure there is a check in "Preserve Aspect Ratio"  
change size dimensions to inches  
set size to the photo size you want to print  
set "Resolution" from 180 to 300  
    higher the number the better the printed image quality  
click "File" then "Print"

10. Prepare image for E-mailing - create folder

create a folder in "My Documents" to receive your image  
    open "My Documents"  
    click on "File", "New", "Folder"  
    enter an name for your new folder

11. Prepare image for E-mailing - sizing image

click on "Image" menu  
make sure there is a check in "Preserve Aspect Ratio"  
set resolution to 96  
set image size  
    either largest dimension to 6 inches  
    OR enter a pixel resolution to the highest of either  
        640 wide or 480 high

when finished save file to new E-mail folder  
    click "Save As"  
    select new e-mail folder

