

# Photography 12

## Assignment 4

### PANORAMIC & HDR IMAGES

Ok, after the arduous task of the Color Correction project I think you deserve some time to play. Well play may not be the right word, but I want to change the pace a bit and give you something fun. Panoramas will do it.

The shooting part of this assignment will be simple. I want you to shoot five images of a landscape in sequence without moving the camera from its position. You may need a tripod for this or something that will anchor the camera.

#### PART 1

Go out, find a landscape, and shoot it in type of light that will show some texture. In other words, do not shoot this at between 10 am and 3 pm. Go either before 10 am or after 3 pm. You will find the light is much better and revealing of your subject.

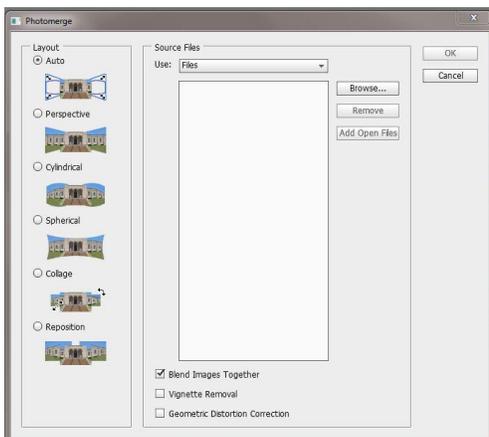
With your digital camera and a tripod (if your camera will anchor to one) shoot the scene as indicated by classroom demonstration. If you have sufficient light you can hand hold this, but just be careful to overlap the images as mentioned below) line up the shot and without moving the tripod from one fixed position, shoot a sequence of five shots (5) of the scene moving the camera slightly with each exposure. The images need to overlap by 25 to 30%. I will demonstrate this in class.

If your camera does not have an area to mount on a tripod, then use a chair or ladder and very carefully moving the camera as you pan through the shots. Take individual shots, at least 5, of the scene in front of you.

#### PART 2

The first step when you get to the lab is to navigate in Bridge to your files, select them and open all five in **CAMERA RAW**. You will see them appear on the left hand side of the dialogue box. At the top is a button that says **SELECT ALL**. Click on that. Beneath it, another button will appear and will say **SYNCHRONIZE**. Click on that. Another box will appear with all sorts of boxes to be check. They all should be checked, simply click **OK**. Now all files are coordinated that anything you on the one selected at the top, the functions will also be done to the rest of the images.

At this point is where you need to **SET WHITE** and prepare the images for processing. (Selecting your white point at this point is very important as it will affect all your synchronized files. NOTE - you will select white and black again when you have the image in panorama mode). You need to get them as close together in appearance as possible. When completed, in **CAMERA RAW**, save the images as JPEGS and number them 1 through 5. **THIS IS VERY IMPORTANT, AS SEQUENCING OF PANORAMA IMAGES IS CRUCIAL**. Save them to a new folder, you created called **PANOs\_your name, Prjt 4**



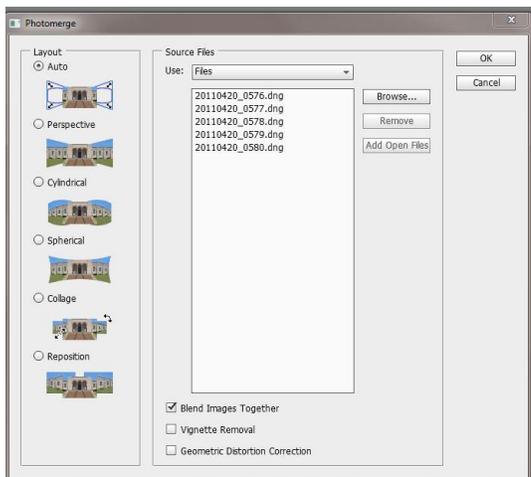
In Photoshop - Under **FILE** menu, go down to **AUTOMATE**. Move to pullout menu that save **PHOTOMERGE**. A dialogue box like the one at left will appear:

**NOTE MAKE SURE YOU ARE USING THE CORRECT SET OF IMAGES TO MAKE YOUR PANO.**

There are two very important things:

1. That you use the photographs in sequence
2. That you use the ones you have prepared in camera raw and not the originals - tonal ranges will be off!

Using the **BROWSE** button, navigate back to your folder with your five images you corrected in Camera Raw and select them. You will now see them appear inside the box under files.



On the layout buttons on the left, make sure you select **REPOSITION** at the bottom. When your images appear, click OK, sit back, and watch Photo Shop do its thing.

You must have the right images selected and they must be in the proper sequence to work. If they are not you will get an error message.

Press ok and if you images are large, go have lunch and let the computer run.

Once the images are combined, you will get something that will look like this.



Crop the image out to 30 inches wide at 240 dpi. Save the file as a Jpeg and now then begin to tone it appropriately.

When completed with your toning and color correction. Notify me and we will move you to the Output room for printing.

**YOU WILL BE DOING THIS PROJECT FOR PRINT AND FOR UPLOAD SO PAY CLOSE ATTENTION TO FILE SIZE - FOR PRINT YOU HAVE ONE SIZE, FOR UPLOAD ANOTHER. YOU WILL BE MAKING SEVERAL COPIES OF YOUR FINISHED WORK**

### **PART 3 - HDR**

Find another scene, landscape, and shoot it five times. This time you will use your exposure to change the results and we'll use HDR technology to create a new result. Again you will need a tripod or ability to stabilize the camera while shooting - the camera angle must not shift as then HDR will be impossible to obtain. These images must match exactly as we will overlap them in Photoshop when we make the HDR images.

Photograph the scene as your meter indicates - You must be in a **manual mode** to do this exercise.

Expose your first image - then move your f/stop down one, Shutting down the aperture.

- Example - your meter reading is f/11 @ 1/250th of a second - for the second shot, move your aperture to f/16 - (disregard what the meter is telling you now, as you are purposefully underexposing the image for a reason).
- On your Third exposure, open up the aperture to f/8 - in this one you are overexposing the image.
- On the fourth you need to stop down to f/22

- On the fifth you need to open up to f/5.6

Notice I did not change the shutter speed, only the aperture. This will create a series of exposures we will combine in Photoshop to make an HDR image.

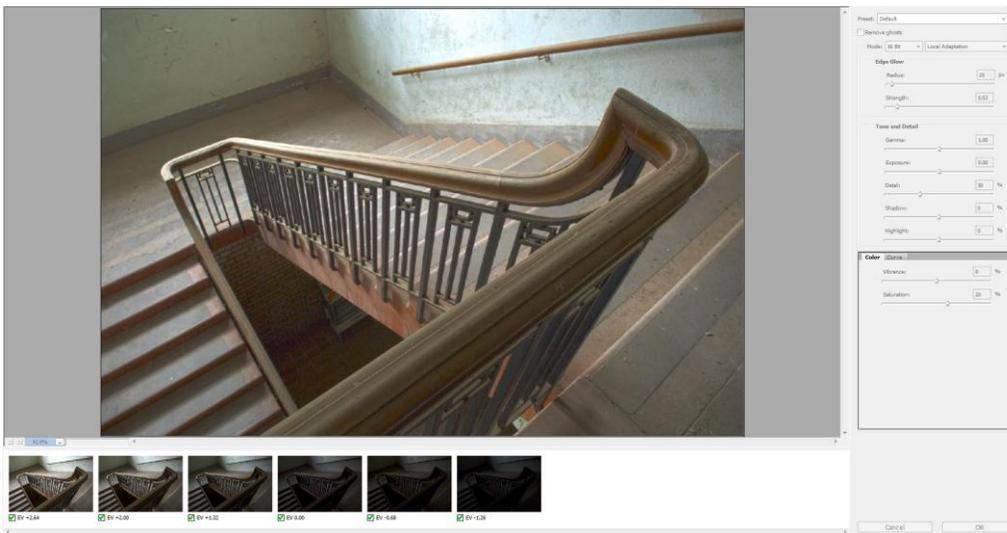
***If your camera has a bracketing mode you can use that , but see me so I know it is set up correctly.***

After you have brought your five images into your computer - Go to FILE, AUTOMATE and MERGE TO HDR PRO - in the pull down menu. (same place you found photomerge!)



A dialogue box like this will appear. Hit the browse button and proceed to your five files shot with the different exposures. Select each one so they appear in the white box in the middle. When all are there click OK.

The program will assemble these images and present you with a workspace that will look like this:



Change the file to monochromatic (B&W) in the upper right hand pull down menu of this dialogue box, Use the sliders to change the image the image, and when completed press OK. Image will be opened in PS.

From here, you will make adjustments to the image, converting it to B&W This is accomplished in the menu at left - convert the image to monochromatic and then tone to your taste and press OK. The image will be converted and open in PS for your next set of changes

**WHEN COMPLETED** - Upload to me in a folder labeled - name\_initial, prj 4 (Halls\_T,prj 4) give to me: **MAKE SURE YOU RESIZE YOUR FINISHED PANO IMAGE(S) BEFORE YOU UPLOAD**

1. Your completed Panorama (no larger than 30 mgs) (1 image)
2. Your completed HDR image (no larger than 30 mgs) (1 image)
3. The five files you used to create the pano - make them small JPEG files. (5 images)
4. The five files you used to create the HDR image - also make them small jpeg files (5 images)

***You should be sending me 12 images when you are done - make sure they are in folders labeled Part 1 and Part 2 - thanks***