San Diego CITY COLLEGE
Photo 243 Advanced Digital Photo
N. David King, Instructor

NAME:_____

DUE: **Grade**:_____

ENHANCING DEPTH OF FIELD

Depth of Field is a uniquely photographic phenomenon caused by the optics of our lenses. Sometimes however we want a greater effect than the lens settings, given the exposure demands, can give us. Then it is digital to the rescue. In this assignment we will practice both reducing and expanding depth of field digitally.

Subject

Your choice of subjects. However you will make two photographs. One will be a shot requiring you to minimize depth of field using photoshop layering, blurring, and masking techniques. The second shot will require you to expand the depth of field using either the software "Helicon Focus" from www.heliconsoft.com or the enhanced depth of field function new to Photoshop CS4.

Procedure

Take one landscape shot where your capture shows greater depth of field than is needed to maximize the power of the subject. Using Photoshop as per lecture discussion and demos, minimize the depth of field to where it best shows off the primary subject. Do not use an f-stop wider than f8.

Then take a close up shot of anything where shooting at no smaller f-stop than f8 you cannot get the entire subject in focus. Take a series of shots (however many it will take) where you have the entire subject from front to back in focus somewhere in the series though in sections. Using either Helicon of Photoshop, assemble them into a single frame where the subject is sharp front to back.

When completed, flatten the files if they are layered, convert them to sRGB and 8-bit mode; resize it to 100 PPI and with the maximum dimension set at 1,000 pixels.

The shots made from the above instructions should be re-Named/Saved-As **"yourname depthof field deepfinal.jpg and "yournamedepthoffieldshallowfinal.jpg"** using the sizing and formatting sequence above.

Also include the original shots named **"yournamedepth of fielddeeporiginal (or shallow).jpg"**

To Turn-in

4 files labeled as above (as an attachment to Blackboard in the Depth of Field assignment section.

Grading

Grading will be based on the grading form. Download a copy for your reference and/or read the online material on the grade form and what the criteria mean.