Unit 03: The Digital Darkroom: Digital workflow and manipulation

Content Area: **Fine Arts**
Course(s):
Time Period: **Marking Period 1**
Length: **5-6 Weeks**
Status: **Published**

Brief Summary of Unit

Students will continue building their knowledge of the digital darkroom. Through lecture, multimedia presentations, discussion and text readings students will begin to understand the workflow of the digital darkroom and be knowledgeable in non-destructive digital editing and manipulation. Over the course of the unit students will learn histograms, downloading and managing of files, image editing and printing. Students will enlarge their photographic vocabulary all while learning new techniques and mastering new skills. The unit of study is comprised of various assignments that will build student's skills in digital image manipulation. As always, the basic elements of good composition will be stressed while producing quality work. Weekly critiques of photographic assignments are key to student growth and learning.

Transfer

Essential Questions

- •   •   What are the creative possibilities offered to the digital photographer in the digital darkroom?

- •   •   What is digital image editing?

Essential Understandings

- •   •   a variety of image editing software exists (ranging from simple cropping tools to more complex creative tools) for the digital photographer.

- •   •   digital imaging is a new media within the field of photography that offers many creative possibilities the photographer.

- •   •   the digital darkroom affords the photographer the same amount of image manipulation as the traditional darkroom through the use of different tools.

Students Will Know

- •   •   how to manipulate the tools in image editing software to achieve basic darkroom functions.

- •   •   how to use a histogram to assist with exposure control both in image capture and image editing.

- •   •   how to work non-destructively to preserve original image files.

- •   •   the differences between basic photo editing software such as Photoshop express, and full range

creative software such as Photoshop Professional.

- • the relationships between digital photo editing tools and their counterparts in the traditional darkroom.

Students Will Be Skilled At

Evidence/Performance Tasks

- • answer the essential questions.

- • complete a writing prompt related to unit of study. Example: Based on your experience with both traditional black and white photography and the digital darkroom, what method of image manipulation is your preference and why?

- • complete weekly journal sheets, rubric and quiz.

- • complete worksheets on tools and digital workflow sheets.

- • download, edit and print images from weekly assignments.

- • refine knowledge of editing software by acquainting themselves with tools and functions, workspace set up and printer options.

- • use the histogram as a means of accurately checking image exposure.

- • view image editing software tutorials.

Learning Plan

- • Group critique of first assignment will emphasize troubleshooting technical aspects of digital imaging. Students will build vocabulary during critique session by using appropriate terminology when referencing work.

- • Individualized critique throughout the image making process to ensure technical success.

- • Internet browsing of contemporary photographers who work exclusively with digital imaging.

- • Lecture on proper use and care of computer workstations and area. Large and small group demonstration.

- • Multi-media presentation on the following material: ▢ File formats. ▢ Importing/downloading image files. ▢ Setting up workflow. ▢ Desktop workspace/tool bars ▢ Sorting images. ▢ Organizing images into folders.

- • Preview the essential questions and connect to learning throughout the unit.

- • Students will read and outline textbook chapter on Workflow and Editing.

- • Students will read handouts on image editing in Photoshop CS2 and lead teacher through demonstration of following image editing techniques: ▢ Reading Histograms and metadata ▢ Cropping ▢ Rotating/straightening ▢ Dust and scratches ▢ Red eye ▢ Levels/curves ▢ Hue/Saturation ▢ Dodging and burning ▢ Converting color to black and white ▢ Sepia toning ▢ Filters

- • Students will save the original file and the final edited image for evaluation.

- • Students will work on first digital assignments in teams to familiarize themselves with digital workflow.

- • Weekly critique sessions will aid students in building their verbal skills and vocabulary. Daily journal entry will assist art process and strengthen writing skills.

- • Weekly photographic explorations based on specific technical skill to be learned. Some assignments include: ▯ Sharpening and softness ▯ Changing backgrounds ▯ Montage images ▯ Mirroring ▯ Joining images to create panoramic 360˚ ▯ Slide show

- • Working in pairs students will photograph images in class, download, crop, edit and save work.

Materials

- • Complete Digital Photography, Ben Long, Cengage Learning, Boston, MA, 2012.

- • Adobe Photoshop CS2 for Photographers: A professional image editor's guide, Martin Evening, Focal Press, Elsevier Inc., Oxford, UK, 2005.Light and Lens: Photography in the Digital Age, Robert Hirsch, Focal Press, Elsevier Inc., Oxford, UK, 2012.

- • WEBSITES: www.dpreview.com www.popphoto.com

Suggested Strategies for Modifications

- • additional time on task

- • alternative outcome options

- • assessment based on individual development in the area of study

- • audio tape of instruction

- • cooperative learning groups

- • handouts of notes, procedures, processes, diagrams, etc.

- • images and visual aids

- • one-to-one instruction and assistance

- • preferential seating

- • reading material modified to student level

- • revised techniques, use of tools and media in hands-on activity

- • study partners

- • testing materials appropriate to student level