



Course Description

GRA1280C | Digital Imaging Fundamentals | 4.00 credits

The student will learn leading industry-standard image editing software is used to prepare photos for print and digital media in this introductory course. Topics include: resolutions, compositing, masking, correcting and enhancing, as well as applying styles and effects. Assignments are designed to emulate real-world projects, including composite images for graphic design, photographic editing, and web pages.

Course Competencies:

Competency 1: The student will prepare images for digital processing during guided lessons and assignments by:

1. Converting image resolution, image size, and image file format for web, video, and print
2. Applying design elements and image composition
3. Color-correcting images using industry-standard digital imaging software
4. Importing, exporting, organizing, and saving digital image files

Competency 2: The student will use industry-standard digital imaging software during guided lessons and assignments by:

1. Using its interface and demonstrating knowledge of its functions
2. Applying various layer types--image layers, adjustment layers, clipping groups, and overlay layers to create composite images
3. Masking or transforming areas of an image non-destructively

Competency 3: The student will manipulate images using industry-standard digital imaging software during guided lessons and assignments by:

1. Making various types of selections
2. Masking subjects, including complex subjects like trees and hair
3. Transforming images
4. Adjusting or correcting an image's tonal range, color, or distortions
5. Retouching and blending images

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Solve problems using critical and creative thinking and scientific reasoning
- Use computer and emerging technologies effectively
- Demonstrate an appreciation for aesthetics and creative activities