# GRA 1280C Digital Imaging Fundamentals

**Course Description:** 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. Prerequisites: none. (2 hr. lecture; 4 hr. lab.)

<table>
<thead>
<tr>
<th>Course Competency</th>
<th>Learning Outcomes</th>
</tr>
</thead>
</table>
| **Competency 1:** The student will prepare images for digital processing during guided lessons and assignments by: | • Communication  
• Critical thinking  
• Computer / Technology Usage  
• Aesthetic / Creative Activities |
| 1. Converting image resolution, image size, and image file format for web, video, and print.  
2. Applying design elements and image composition.  
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: | • Communication  
• Critical thinking  
• Computer / Technology Usage  
• Aesthetic / Creative Activities |

Updated Spring 2021
1. Making various types of selections.
2. Masking subjects, including complex subjects like trees and hair.
3. Transforming images.
4. Adjusting or correcting the tonal range, color, or distortions of an image.
5. Retouching and blending images.