![Miami Dade College]

Course Description
GRA2151C | Advanced Digital Illustration and Imaging | 4.00 credits
This is an advanced course in digital illustration and imaging, building on existing skills to design and create portfolio-ready projects. Topics include perspective illustration, advanced masking and compositing techniques, and "comping" for layout presentations, outdoor advertisements, or 3-D package designs. The student will explore optimizing graphics for the web, animations, and video. Prerequisites: GRA1280C and GRA2117C.

Course Competencies:
Competency 1: The student will create advanced illustrations in an industry-standard vector graphics software during guided lessons and assignments by:
1. Defining perspective using horizon line, picture plane, and vanishing points with the software's perspective grid tools
2. Creating and outputting frame-by-frame animations for multiple formats
3. Creating sequential illustrations for visual narratives

Competency 2: The student will create advanced compositing effects by:
1. Combining images to create complex and advanced compositions using multi-step processes such as layer masks, adjustment layers, and clipping groups with other advanced techniques
2. Combining images to create complex and advanced compositions using multi-step processes such as custom brushes, displacement maps, intelligent objects, and layer style effects with
3. other advanced techniques

Competency 3: The student will edit the video using industry-standard digital imaging software by:
1. Editing imported video, inserting cuts, dissolves, and wipes
2. Applying opacity, position, and style changes to starting and ending keyframes and
3. "tweeting" the interstitial frames
4. Rendering exported video to web-standard file formats

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

Updated: Fall 2025