**Mohawk Valley Community College**

**Utica and Rome. New York**

**Course Outline**

**GD 145 Digital Applications 1 C-2, P-2, CR-3**

**Course Description:**

This course introduces contemporary text manipulation, digital imaging, and digital illustration software. Students produce projects demonstrating their knowledge of both the software and the interfaces between page layout, raster graphics, and vector graphics. No previous software knowledge is required.

**Student Learning Outcomes:**

Upon the successful completion of this course, the student will be able to:

* Demonstrate an understanding of contemporary problem solving methodology.
* Demonstrate a fundamental knowledge of a computer system, including peripheral devices.
* Identify and describe the difference between hardware and software.
* Identify and appropriately choose various file formats.
* Understand and apply the basic rules, typeface variations, and measurement systems used in contemporary typography.
* Demonstrate the ability to appropriately select typeface designs, type sizes, and other typographic parameters.
* Understand and integrate contemporary visual programs used for text, image, and drawing.
* Identify and appropriately choose various file formats.
* Demonstrate appropriate selection of vector and raster applications.
* Master the panels used for layering, transformation, and color application.
* Produce digital assignments reflecting skillful application of photo manipulation tools and commands.

**Major Topics:**

* Basic computer operations and processes.
* Industry-standard software used in the manipulation of text and integration of raster graphics and vector drawings.
* Choosing and integrating software.
* Working knowledge of terminology, processes, and general information needed to effectively deliver digital solutions.
* Organizational skills, reliability, and responsibility.

Reviewed July 2023