

COURSE OUTLINE

ARTT-148

Digital Imaging, Raster Program I

3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

Using Photoshop, the current industry standard program, students will attain a comprehensive knowledge of digital image creation and production. Using a raster-based graphic image production and editing software program, the student will gain a working knowledge of painting and editing tools, selection techniques, color correction, special effects, scanning, prepress preparation and print options, digital photography techniques and more. With an emphasis on technical skill as well as craft, students will learn to design, retouch, and composite images for effective visual communication and self-expression. Basic computer literacy is required.

Prerequisite: ARTT-112. (4 hours weekly)

Overall Course Objectives

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

1. Apply and modify the general principles and techniques of conventional photography and traditional art mediums to digital image creation.
2. Identify and manipulate the basic tools and techniques of image creation, compositing and editing programs.
3. Define and apply the specialized vocabulary used in the computer graphic industry and user environment.
4. Operate scanning hardware and software for image capture.
5. Apply the elements of lighting, composition, and design to transform existing images and to create new ones.
6. Synthesize images that take advantage of the unique technical, conceptual and expressive possibilities of digital imagery.
7. Analyze, orally and in writing, the effectiveness of digital images in terms of composition, originality, artistic vision, craftsmanship, and emotional/intellectual interest.
8. Analyze the extent to which important ethical issues inherent in digital image making, including questions of copyright and appropriation, will impact his or her artistic production.
9. Demonstrate a knowledge of prepress skills and techniques, such as print options, color correction and format selection.
10. Demonstrate mastery of digital image creation techniques through a printed and/or digital final portfolio of works.

Major Topics

1. Digital Image Creation and Production with Raster-Based Programs
2. Tools, Techniques, Color Correction, Special Effects and Print Options with Raster-Based Programs
3. Digital Cameras-Use, Capabilities and Limitations
4. Elements of Image Design and Visual Communication
5. Ethics and Copyright Issues
6. Preparing the Electronic and/or Print Portfolio
7. Graphic Design Computer Software and Hardware
 - a. Navigating the OS (Operating System)
 - b. Navigating and exploring the software UI (User Interface), tools, palettes, commands and special effects capabilities
 - c. Scanner hardware and software, Image capture techniques
 - d. Color Correction, Resolution Issues and Printed Output optimization

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member teaching the class and will include a final portfolio review of work produced during the semester.

Other Course Information

This course is a Humanities elective and an Arts and Sciences elective.

Regular attendance is required for mastery of course objectives.