PHOT G190: DIGITAL PHOTOGRAPHY 1

Item	Value
Curriculum Committee Approval Date	11/05/2024
Top Code	101100 - Cinematography
Units	3 Total Units
Hours	108 Total Hours (Lecture Hours 27; Lab Hours 81)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	Yes
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Standard Letter (S), • Pass/No Pass (B)
Local General Education (GE)	• Area 3 Arts and Humanities (GC)

Course Description

This course will introduce students to the historical and technical fundamentals of the processes, principles, and tools of digital photography and digital imaging. This course also introduces the development of personal artistic expression and visual perception. Students will gain experience related to digital camera controls, exposure, lighting, content, color, and composition. Students will also be introduced to the basics of digital imaging, including printing, presenting, and image editing. Transfer Credit: CSU; UC.

Course Level Student Learning Outcome(s)

1. Course Outcomes
2. Demonstrate the ability to shoot, edit, and print a digital photograph.
3. Formulate criticisms of digital photographs utilizing photographic terminology and concepts.
4. Apply the elements and principals of design in a well-composed digital photograph.

Course Objectives

• 1. Use digital camera functions such as accurate shutter speeds, aperture settings, and exposure levels in the production of digital files for photographic prints.
• 2. Apply the principles of composition and elements of design to the process of creating and editing digital images.
• 3. Evaluate digital images as a form of visual communication using relevant terminology and concepts.
• 4. Prepare digital files for a variety of printing and delivery methods.
• 5. Examine the role of digital and print photography in historical and contemporary culture.
• 6. Produce digital images with a variety computer-aided methods of editing.
• 7. Create a portfolio of digital photographs demonstrating formal, conceptual, and technical development.

Lecture Content

History of Photography Camera obscura through modern image-making devices Heliography Daguerreotype Wet Collodion, Ferrotype, and Ambrotype Carte-de-Visite Early social documentary (ex. Jacob Riis and Lewis Hine) Color Photography Modern evolution of the image Introduction to Digital Image Editing Adding text to images Elements of Design and Principles of Composition Historical examples of effective composition Camera Controls Operating the shutter Operating the aperture Basic camera maintenance Lighting Light quality Metering Diffusion Additive and subtractive color Filtration Light schematics Brightness ratio Presentation Archival materials Mounting of digital images Over-matting Storage of presentation materials including the creation of a stable photo album

Lab Content

Camera Controls Shutter Aperture Other adjustable digital camera controls Using various lenses Other auxiliary equipment and tools Compositional Techniques and Principles Elements of design Principles of composition Balance Rhythm Perspective Repetition Framing Exposure In-camera exposure Bracketing Cropping Basic Digital Image Editing Techniques Editing raw files Controlling elements of the image Highlights Shadows Exposure Contrast Color Using selective adjustments Clarity Texture Sharpness Digital Image Management Folder organization Labeling and viewing Tracking images Compression and file size Digital Image Storage Cloud-based options Hard drives Flash drives Solid-state drives Digital Image Output and Delivery Color management Exploring paper surfaces Print quality Group and Individual Critiques

Method(s) of Instruction

• Lecture (02)
• Lab (04)

Reading Assignments

Articles, handouts, and textbook readings

Writing Assignments

Written assignments may include quizzes, essays, exams, or reports Students will write a critical review after visiting a photography exhibition using appropriate photographic terminology including interpretations of meaning, references to art movements, and aesthetics

Out-of-class Assignments

Students will complete some digital photo shooting assignments outside of class Students will visit a photography exhibition and write a critical review using appropriate photographic terminology including interpretations of meaning, references to art movements, and aesthetics

Demonstration of Critical Thinking

Students will solve specific digital photo shooting assignments involving principles of camera operation and around visual problems such as color and composition in the form of a successful print Students will critique each other's work orally

Required Writing, Problem Solving, Skills Demonstration

Written assignments may include quizzes, essays, exams, or reports Students will write a critical review after visiting a photography exhibition

using appropriate photographic terminology including interpretations of meaning, references to art movements, and aesthetics Students will create a portfolio of photographic work demonstrating formal, conceptual, and technical development

Eligible Disciplines

Photography: Master's degree in photography, fine arts, or art OR bachelor's degree in any of the above AND master's degree in art history or humanities OR the equivalent. Master's degree required.

Textbooks Resources

1. Required London, B. and Stone, J. A Short Course in Photography: Digital, 4th ed. Pearson, 2019 2. Required Warren, B. Digital Photography, 1st (latest) ed. Cengage, 2013 Rationale: alternative option for textbook 3. Required Hirsch, R. Light and Lens: Photography in the Digital Age, 4th ed. Routledge, 2022 Rationale: Legacy text listed on C-ID descriptor