

# Photographic Arts

## Course Code: 11054

**Rationale Statement:**

Photographic arts can help individuals learn techniques to create effective, high quality and artistic images. However, the area of photographic arts is not just about technique; it is about perception and communication. Viewing, discussing, and creating images can be a passage to self-discovery that enhances self-esteem. Studying the area of photographic arts can be the conduit to a further understanding of various cultures and different ways of seeing, believing, and thinking. Photographic arts can broaden our conception of the world and ourselves.

**Suggested Grade Level:** 9-12

**Topics Covered:**

- Career opportunities in photographic arts
- Selection and operation of digital camera
- Digital darkroom management and operation
- Legal issues related to photographic arts
- Preparation of photographs for visual display
- Elements of composition
- Effect of lighting and color on photographs
- Use of image editing software for photographic enhancement and artistic expression

**Core Technical Standards & Examples:**

<b>Indicator #1: Explore opportunities in photographic arts</b>	
<b>Bloom's Taxonomy Level</b>	<b>Standards and Examples</b>
Understanding	<p><b>PA1.1 Summarize career opportunities in the area of photographic arts</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Research opportunities for employment in photography</li> <li>• Interview a professional working in the area of photographic arts</li> <li>• Research the requirements, skills, wages, education, and geographic opportunities in the area of photographic arts</li> </ul>
<b>Indicator #2: Examine the fundamentals related to photographic arts</b>	
<b>Bloom's Taxonomy Level</b>	<b>Standards and Examples</b>

Understanding	<p><b>PA2.1 Classify digital cameras and accessories for intended use</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Identify the advantages and disadvantages of different types of digital cameras (point and shoot, advanced amateur, and professional)</li> <li>• Compare digital camera features for personal use vs. professional use</li> <li>• Analyze the appropriateness and usability of a specific digital camera and accessories for a given situation</li> </ul>
Applying	<p><b>PA2.2 Implement digital darkroom management</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Research types of storage devices for digital images</li> <li>• Compare different types of image file formats</li> <li>• Explain the transfer of images from one device (digital camera) to another device (computer)</li> <li>• Identify image-editing tools used in the digital darkroom</li> <li>• Research the use of color management systems for color consistency and predictability in your images</li> </ul>
Analyzing	<p><b>PA2.3 Differentiate legal issues related to photographic arts</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Complete a web quest on legal issues related to photographic arts</li> <li>• Research instructions and forms for registration of photographic arts work with Copyright office</li> <li>• Explore release forms necessary for photographing people/places</li> </ul>
<b>Indicator #3: Analyze camera operations</b>	
<b>Bloom's Taxonomy Level</b>	<b>Standards and Examples</b>
Applying	<p><b>PA3.1 Implement appropriate care and maintenance of a digital camera</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Demonstrate appropriate care instructions when cleaning a digital camera</li> <li>• Demonstrate proper storage and care for digital camera</li> <li>• Demonstrate appropriate maintenance of digital camera</li> </ul>
Analyzing	<p><b>PA3.2 Analyze the effect of exposure on the quality of photographs</b></p>

	<p>Examples:</p> <ul style="list-style-type: none"> <li>• Differentiate the effect of different shutter speeds on the quality of a photograph by taking photographs using different shutter speeds</li> <li>• Differentiate the effect of different aperture settings on the quality of a photograph by taking photographs using different aperture settings</li> <li>• Demonstrate the concept of bracketing for determining the best exposure for photographs by taking three photographs using different exposure settings.</li> </ul>
Analyzing	<p><b>PA3.3 Analyze how techniques impact the quality of a photograph</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Illustrate shallow depth of field and maximum depth of field by taking photographs to illustrate each</li> <li>• Compare the effect of different camera settings on photographing subject movement</li> <li>• Differentiate between the use of normal, long, and short focal length on the quality of photographs by taking a photograph of the same subject using each focal length</li> <li>• Compare the effect of using flash vs. not using flash for photographing subjects in different lighting situations</li> </ul>
<p><b>Indicator #4: Evaluate photographs for effective composition</b></p>	
<p><b>Bloom's Taxonomy Level</b></p>	<p><b>Standards and Examples</b></p>
Evaluating	<p><b>PA4.1 Critiquing photographs for effective use of the elements of composition</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Develop a checklist for assessing the elements of composition in a photograph</li> <li>• Create a portfolio of photographs that illustrate each of the elements of composition</li> <li>• Analyze peer photographs for the use of the elements of composition.</li> </ul>
Evaluating	<p><b>PA4.2 Check light and color to produce effective photographs</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Illustrate the effect of the time of day on the lighting in your photograph</li> <li>• Compare the effect of different types of directional lighting when</li> </ul>

	<p>taking a photograph</p> <ul style="list-style-type: none"> <li>• Illustrate the effect of different types of directional lighting on a subject</li> </ul>
<p><b>Indicator #5: Create artistic photographs</b></p>	
<p><b>Bloom's Taxonomy Level</b></p>	<p><b>Standards and Examples</b></p>
<p>Applying</p>	<p><b>PA5.1 Implement the use of image editing software for improving photographs</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Demonstrate the use of basic image editing tools (select, cut, copy, paste, crop)</li> <li>• Compare and contrast the use of the Variations, Levels, and Curves tools for color adjustment of an image</li> <li>• Compare and contrast the use of the Hue/Saturation and Brightness/Contrast tools for color adjustment of an image</li> <li>• Select the appropriate color adjustment tools to improve image quality of specific images</li> </ul>
<p>Applying</p>	<p><b>PA5.2 Implement the use of image editing software for artistic expression</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Differentiate between the use of the Brush tool and History Brush tool for artistic expression in the enhancement of images</li> <li>• Demonstrate the use of the eraser tools in artistic enhancement of images</li> <li>• Select appropriate image editing tools for the artistic enhancement of specific images</li> </ul>
<p>Creating</p>	<p><b>PA5.3 Produce photographs for visual display</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Compare the effect of resolution on the quality of photographs by taking photographs at different resolution settings</li> <li>• Calculate the appropriate size of image for a specific use</li> <li>• Demonstrate mounting photographic images</li> <li>• Create a showcase of photographic arts work</li> <li>• Create a portfolio of photographs that illustrate each of the elements of composition</li> </ul>