

Photography

Course Description:

Students will discover the techniques of modern digital photography, and how to create and present photographic art. They will connect visual art to societal, cultural and historical meaning through exploring their own artistic creations, as well as analyzing the impact of iconic photographers from the past. This course covers the essential photographic skills and techniques such as composition and exposure. Students will learn about modern digital equipment such as digital cameras, lenses, flash and other forms of lighting. Different artistic styles are explored, such as portraits, still life, landscape, action and street photography. The course combines analysis of photographs and appreciation of the history of photography with practical assignments where students capture their own images and produce their own creations. Part 1 of the course focuses on capturing the image, and Part 2 covers photo editing.

Part 1: 5 credit hours

Part 2: 5 credit hours

Course Outline

Green—National Core Arts Standards

Blue—California Arts Standards for Visual Arts

Brown—Nevada Academic Content Standards for Visual Arts

Dark Brown—Nevada CTE AR Career Cluster

Light Brown—Nevada CTE Photography Standards

Photography, Part 1

Unit 1 – Introduction to Photography

- 1.1 Powerful Photos & Inspiring Photographers
- 1.2 Photography Through History
- 1.3 Photographic Perspective
- 1.4 Branches of Photography

In this unit, students will:

Appreciate and recognize some of the most influential photographers and iconic photographs in history.

Learn about the history of photography.

Learn some keys to becoming a better photographer.

Recognize various branches and styles of photography and gain an appreciation of the full scope of the art.

Gain experience with the method of observation and experimentation to produce photographs.

Appraise the impact of a photographer on the beliefs, values, and behaviors of a society.

VA:Re7, VA:Cr1, VA:Cr1.2.IIa, VA:Cr2, VA:Pr4, VA:Pr4.1.IIa, VA:Pr5, VA:Re7, VA:Re7.2.IIa, VA:Re8, VA:Re8.1.IIa, VA:Cn11, VA:Cn11.1.IIIa

Acc.VA:Re7, Acc.VA:Cr1, Acc.VA:Cr1.2, Acc.VA:Cr2, Acc.VA:Pr4, Acc.VA:Pr4.1, Acc.VA:Pr5, Acc.VA:Re7, Acc.VA:Re7.2, Acc.VA:Re8, Acc.VA:Re8.1, Acc.VA:Cn11, Adv.VA:Cn11.1

VA:Re7.HS.2I, VA:Cr1.HS.2I, VA:Cr2.HS.2I, VA:Re7.HS.2I, VA:Cn11.1.HS.1I

Career Cluster Standard 6

1.1, 1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.1.6

Unit 2 – Getting to Know Your Camera & Equipment

- 2.1 How Cameras Work
- 2.2 How Smartphone Cameras Work
- 2.3 Digital Camera Components
- 2.4 Digital Camera Components Continued
- 2.5 Camera Modes & Settings
- 2.6 Camera Modes & Settings Continued
- 2.7 When to Use a Tripod

In this unit, students will:

Learn how digital and traditional cameras work.
Become familiar with digital camera components such as the sensor, lens, shutter, and memory cards.
Appreciate how digital files can be compressed and the effect this has on the quality of the image.
Become familiar with camera modes and settings.
Gain experience in refining and completing artistic work.
Organize and generate artistic work.
Articulate how they can improve their photograph by controlling shutter speed, aperture and/or ISO.
Demonstrate skills and knowledge essential to the photographic art.

VA:Pr5, VA:Cr1, VA:Cr1.1.IIa, VA:Cr1.2.IIa, VA:Cr2, VA:Cr2.1.IIa, VA:Cr3, VA:Pr4, VA:Pr4.1.IIa, VA:Pr 5
Acc.VA:Pr5, Acc.VA:Cr1, Acc.VA:Cr1.1, Acc.VA:Cr1.2, Acc.VA:Cr2, Acc.VA:Cr2.1, Acc.VA:Cr3, Acc.VA:Pr4, Acc.VA:Pr4.1, Acc.VA:Pr 5

VA:Cr1.HS.2I, VA:Cr2.HS.2I, VA:Cr3.HS.1I

Career Cluster Standards 1 & 6

3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.1.5, 3.2.3, 3.2.5

Unit 3 – Composition

- 3.1 Introduction to Photo Composition
- 3.2 Subject
- 3.3 Depth of Field
- 3.4 Rule of Thirds
- 3.5 Framing, Lines & Symmetry

In this unit, students will:

Be introduced to photo composition.
Learn the importance of the subject in the photo.
Learn how to apply the Rule of Thirds.
Gain an appreciation of framing, lines, and symmetry in composition.
Generate artistic work showing the application of depth of field and the Rule of Thirds.

Organize a selection of photos by concept and meaning.

VA:Cr1, VA:Cr1.2.IIa, VA:Cr2, VA:Cr2.1.IIa, VA:Cr3, VA:Pr4, VA:Pr4.1.IIa, VA:Pr5, VA:Cr1.2, VA:Cr1.2.IIa, VA:Cr2.1.IIa, VA:Cr2.1, VA:Cr2.1, VA:Cr2.1

Acc.VA:Cr1, Acc.VA:Cr1.2, Acc.VA:Cr2, Acc.VA:Cr2.1, Acc.VA:Cr3, Acc.VA:Pr4, Acc.VA:Pr4.1, Acc.VA:Pr5, Acc.VA:Cr1.2, Acc.VA:Cr1.2, Acc.VA:Cr2.1, Acc.VA:Cr2.1, Acc.VA:Cr2.1, Acc.VA:Cr2.1

VA:Cr1.HS.1I, VA:Re8.HS.1I, VA:Cn10.HS.1I, VA:Cr1.HS.2I, 3.2.1, 3.2.2, 3.2.3, 5.1.1, 5.1.2, 5.1.3, 5.2.1, 5.2.2, 5.2.3, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.5

Unit 4 – Lighting & Exposure

- 4.1 Introduction to Lighting
- 4.2 Natural Light
- 4.3 Flash Photography
- 4.4 Lighting Equipment

In this unit, students will:

Learn about the essentials of lighting and exposure.
Explore various lighting scenarios including natural light, direct sunlight, light conditions at the golden hour & blue hour.

Learn how to use natural light for portraits.

Discover how flash lighting works, both indoors and outdoors.

Apply the lighting skills they have learned to generate photos using various types of light, at different times of the day.

Analyze, select, and organize photos for presentation.

Demonstrate a willingness to experiment in the process of making photographic art.

VA:Cr1.2, VA:Cr1.2, VA:Cr2.1, VA:Cr1, VA:Cr1.2.IIa, VA:Cr2, VA:Cr2.1.IIa, VA:Pr4, VA:Pr4.1.IIa, VA:Pr5 Acc.VA:Cr1.2, Acc.VA:Cr1.2, Acc.VA:Cr2.1, Acc.VA:Cr1, Acc.VA:Cr1.2, Acc.VA:Cr2, Acc.VA:Cr2.1, Acc.VA:Pr4, Acc.VA:Pr4.1, Acc.VA:Pr5

VA:Cr1.HS.1I, VA:Cr1.HS.2I, VA:Cr3.HS.1I, VA:Pr4.HS.1I, VA:Pr5.HS.1I, VA:Cn10.HS.1I,

4.1 (All), 6.1.2, 6.1.3, 6.2.1, 6.2.2, 6.2.3, 6.2.4, 6.2.5, 6.3 (All)

Unit 5 – Styles of Photography

- 5.1 Still Life Photography
- 5.2 Landscape Photography
- 5.3 Portrait Photography
- 5.4 Action Photography
- 5.5 Street Photography
- 5.6 Nighttime Photography
- 5.7 Macro Photography

In this unit, students will:

Learn about the following branches of photography: Still Life Photography, Landscape Photography, Portrait Photography, Action Photography, Street Photography, Night Photography, and Macro Photography.

VA:Cr3, VA:Pr4, VA:Cr1.2, VA:Cr1.2, VA:Cr2.1, VA:Cr1, VA:Cr1.2.IIa, VA:Cr2, VA:Cr2.1.IIa, VA:Pr4, VA:Pr4.1.IIa, VA:Pr5, VA:Pr6

Acc.VA:Cr3, Acc.VA:Pr4, Acc.VA:Cr1.2, Acc.VA:Cr1.2, Acc.VA:Cr2.1, Acc.VA:Cr1, Acc.VA:Cr1.2, Acc.VA:Cr2, Acc.VA:Cr2.1, Acc.VA:Pr4, Acc.VA:Pr4.1, Acc.VA:Pr5, Acc.VA:Pr6

VA:Cr1.HS.1I, VA:Cr1.HS.2I, VA:Cr2.HS.1I, VA:Cr2.HS.2I, VA:Cr3.HS.1I

1.1.2, 1.1.3, 1.1.5, 1.1.6, 8.2.1, 8.2.2, 8.2.3

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Photography, Part 2

Unit 1 – Photo Editing Tools: Introduction to Lightroom

- 1.1 Buying & Installing Lightroom Classic
- 1.2 The Lightroom Catalog
- 1.3 Basic Lightroom Functions
- 1.4 Organizing your Workflow
- 1.5 Presets
- 1.6 Familiarize Yourself with Lightroom Classic CC

In this unit, students will:

Learn how to install Lightroom Classic CC, create their catalog of photos, as well as organize their workflow. Learn about basic Lightroom functions, presets and generally familiarize themselves with Lightroom Classic CC as an artistic tool.

VA:Cr1.1.IIa, VA:Cr1.2.IIa, VA:Cr2.1.IIa

Acc.VA:Cr1.1, Acc.VA:Cr1.2, Acc.VA:Cr2.1

VA:Cr1.HS.1I, VA:Cr1.HS.2I, VA:Cr2.HS.1I, VA:Cr3.HS.1I
2.1.7, 2.1.10, 6.2.1, 7.1.6, 7.1.8, 7.1.9, 7.3.4

Unit 2 – Developing Tools

- 2.1 Overview of the Develop Module
- 2.2 Basic Tab
- 2.3 Cropping
- 2.4 Spot Removal
- 2.5 Adjustment Brush
- 2.6 Radial Filter
- 2.7 Red Eye Correction
- 2.8 Tone Curve
- 2.9 Hue Saturation Lightness (HSL) Color
- 2.10 Sharpening & Reducing Noise

In this unit, students will:

Develop and refine artistic techniques using the tools in Lightroom Classic CC photo editing software, including red-eye correction, cropping, radial filters, and a lot more.

VA:Cr1.2.IIa, VA:Cr2.1.IIa

Acc.VA:Cr1.2, Acc.VA:Cr2.1

VA:Cr1.HS.1I, VA:Cr1.HS.2I, VA:Cr2.HS.1I, VA:Cr3.HS.1I,
VA:Pr4.HS.1I, VA:Re7.HS.1I, VA:Re7.HS.2I
7.1.3, 7.1.4, 7.1.7, 7.1.7, 7.1.8, 7.1.9, 7.2.1, 7.2.2, 7.2.3,
7.2.4, 7.2.5, 7.2.6, 7.2.7

Unit 3 – Advanced Editing Techniques

- 3.1 Dramatic Landscapes
- 3.2 Portrait Retouching
- 3.3 Architecture
- 3.4 Long Exposure
- 3.5 Light Painting

In this unit, students will:

Learn advanced photo editing techniques to create dramatic landscapes and other effects, as well as how to retouch images.

VA:Cr1.1.IIa, VA:Cr1.2.IIa, VA:Cr2.1.IIa, VA:Cr2.3.IIa,

VA:Pr4.1.IIa, VA:Pr6.1.IIa, VA:Re.7.1.IIa, VA:Re.7.2.IIa,

VA:Re8.1.IIa, VA:Cn11.1.IIIa

Acc.VA:Cr1.1, Acc.VA:Cr1.2, Acc.VA:Cr2.1, Acc.VA:Cr2.3,
Acc.VA:Pr4.1, Acc.VA:Pr6.1, Acc.VA:Re.7.1, Acc.VA:Re.7.2,
Acc.VA:Re8.1, Adv.VA:Cn11.1 VA:Cr1.HS.1I, VA:Cr1.HS.2I,
VA:Cr2.HS.1I, VA:Cr3.HS.1I, VA:Pr4.HS.1I, VA:Pr6.HS.1I,
VA:Re7.HS.1I, VA:Re7.HS.2I, VA:Re8.HS.1I, VA:Cn11.HS.1I
4.1, 4.1.9 & Beyond Required Standards

Unit 4 – Combining Multiple Images

- 4.1 High Dynamic Range (HDR)
- 4.2 Panoramas
- 4.3 Time Lapse
- 4.4 Blending Multiple Images & Exposures

In this unit, students will:

Practice advanced photographic skills by combining multiple images together to create panoramas, a time-lapse and other effects.

VA:Cr1.2.IIa, VA:Cr2.1.IIa, Anchor standards 1, 2, 3, 4 & 5
Acc:VA:Cr1.2.IIa, Acc:VA:Cr2.1.IIa, Anchor standards 1, 2, 3, 4 & 5

VA:Cr1.HS.1I, VA:Cr1.HS.2I, VA:Cr2.HS.1I, VA:Cr3.HS.1I, VA:Pr4.HS.1I, VA:Pr6.HS.1I, VA:Re8.HS.1I, Anchor standards 1, 2, 3, 4 & 5

4.1.9 & Beyond Required Standards

Unit 5 – The Business of Photography

- 5.1 Careers in Photography
- 5.2 Starting a Photography Business
- 5.3 Stock Photography
- 5.4 Copyright Law for Photographers
- 5.5 Watermarks
- 5.6 Photography Contracts

In this unit, students will:

Gain an appreciation of how photography can be commercialized.

VA:Cr2.2.IIa, VA:Re8.1.IIa, VA:Cn11.1.IIIa
Acc:VA:Cr2.2, Acc:VA:Re8.1, Adv:VA:Cn11.1
VA:Cr3.HS.2I

Career Cluster Standards 1, 2, 3, 4, 5, 6

2.1 (All standards 1-10)